

SEQUENCE LISTING

SEQ ID NO: 1

Human unknown cDNA PHG-1 (GenBank # AL832747)

2110 bp

1 gggatcggtc gatttaagcc atcatcagct taatttaagt ttgttagttt tgctgaagga
61 ttatatgtat taatacttac ggtttaaat gtgtgcctt ggatacacac atagttcctt
121 tttaataga atatactgtc ttgtctact ttggactggg acagtggatg cccatctaaa
181 agttaagtgt catttccttt agatgttac ctccagccat agcttgattt ctcagagaaa
241 tatcagaag gcaggatcaa agacacacag gagtccttc tttgaaatg ccacgtgc
301 ttgtcttc tcccttc ttttgcctt ctaccctct cttcaattt cagatgc
361 aaaagatgcc aacagacact acattaccct aatggctgct acccagaacc ttttatagg
421 ttgtcttaa ttttttgtt gtgtgttc aagtttcc ttctttttt ttcttgtt
481 ttggccacg attttaaaat gacttttatt atgggtatgt ttgc
541 gtcaaataaa atgaatacga actaaaaaaa taaaagctgg tatctaaaaa tgaagagag
601 taagactgtg aagcctaaaaa tgactggctg agaatgaacc agaaaatgcc
661 agtgtaact agaaatttg ttctcacggt ccattttt ctttgtcc
721 ttgttagtgc cacgtccat gttcagtgtc caaaccggca atgaaaaag tatctgtgt
781 ggtttiacag gaaaatctgtt tatgtctt tatttgc
841 cttaagtgc aatgaagtct gccaggaaca ttgggttgc
901 atttccaaaaa tctgaagttc ctgctatgtt accacccca
961 ctgatttagt tgaacttgc
1021 tctatagaac atgtatttgc
1081 gtgc
1141 gcagcttgc
1201 cgtt
1261 taaacttcca tataatc
1321 ctgt
1381 cgc
1441 acaa
1501 ctct
1561 atgt
1621 ttgaataat
1681 ttct
1741 cata
1801 tata
1861 tttt
1921 tatg
1981 ctgat
2041 ttaac
2101 aaaga

SEQ ID NO: 2

Human prostaglandin D2 Synthase cDNA (GenBank# NM_000954)

775 bp

1 tgcaggagaa tggctactca tcacacgctg tggatggac tggccctgct ggggttgctg
61 ggccacactgc aggcagcacc ggaggcccag gtctccgtgc agcccaactt ccagcaggac
121 aagttccctgg ggcgctgggt cagcgccggc ctgcctcca actcgagctg gctccggag
181 aagaaggccg cgttgtccat gtgcgaatct gtggggccct ctgccacgga tggggccctc
241 aacctgacct ccacccctt cagaaaaaac cagtgtgaga cccgaaccat gctgctgcag
301 cccgcggggt ccctcggtc ctacagctac cggagtcccc actggggcag caccctactcc
361 gtgtcagtgg tggagaccga ctacgaccag tacgcgtgc tgtacagcca gggcagcaag
421 ggccctggcg aggacttccg catggccacc ctctacagcc gaaccaggac ccccaaggct
481 gagttaaagg agaaattcac cgccctctgc aaggcccagg gcttcacaga ggataccatt
541 gtctccctgc cccaaaccga taatgtcatg acggaaacaat aggactcccc agggctgaag
601 ctggatccc ggccagccag gtgaccccca cgctctggat gtctctgc tttccctcc
661 ccgagccct gc(ccggcctc cccgccaag cacccctgcc cactgggct tcacccctca
721 caataaaactc cggaagcaag tcagttaaaa aaaaaaaaaaaa aaaaaaaaaaaa aaaaa

SEQ ID NO: 3

Human myelin basic protein cDNA (GenBank# M13577)

2139 bp

1 gaaaacagtg cagccacctc cgagagccctg gatgtatgg cgtcacagaa gagaccctcc
61 cagaggccacg gatccaagta cctggccaca gcaagtacca tggaccatgc caggcatggc
121 ttccctcccaa ggcacagaga cacggcattc ttgactcca tcggcgctt ctttggcggt
181 gacaggggtg cgccaaagcg gggcttggc aaggactcac accaccggc aagaactgct
241 cactatggct ccctccccca gaagtcacac ggccggacc aagataaaaa cccctgtac
301 cacttcttca agaacattgt gacgcctcgc acaccacccc cgtcgaggg aaaggggaga
361 ggactgtccc tgagcagatt tagtggggg gccgaaggcc agagaccagg atttggctac
421 ggaggccagag cgtccgacta taaatcggtc cacaaggat tcaagggagt cgatgcccag
481 ggcacgctt cccaaatttt taagctggga ggaagagata gtcgctctgg atcaccatg
541 gctagacgct gaaaacccac ctgggtccgg aatcctgtcc tcagctttaatataactg
601 ccttaaaact ttaatccac ttgcccctgt tacctaatta gacgatga cccctccct
661 aatgcctcgc gagtttgca cgttaggg tcaggccacg gcacccatcc ggcaatttcc
721 ggccaaacagt taaaatggaa catggaaaca gaaaacgggtt aaaactgtcc ctttctgtgt
781 gaagatcactt ttcctcccccc cgcaatgtgc ccccaagacgc acgtgggtct tcagggggcc
841 aggtgcacag acgtccctcc acgttccaccc ctccaccctt ggacttctt ttccggctgg
901 ctccggcaccctt ttggcgtttt gctggcact gcatggagg cacacagctg cagagacaga
961 gaggacgtgg gcccggcggaga ggactgtga catccaagct tcctttgttt tttttccctg
1021 tccttctctc acctccctaaat gtagacttca tttttccctaa caggattaga cagtcaagga
1081 gtggcgtact acatgtggga gcttttggat atgtgacatg cgggctggc agctgttaga
1141 gtccaaacgtg gggcggcaca gagaggggc cacccccc gcccgtggct gcccacacac
1201 cccaaatttcg tgaatttcg tggcggcggag ggaggaaaag gaggcaaaacg tgggctggc
1261 aatggccctca catagaaac aggtccctcc tggagattt gtgtatggaga tgtcaagcag
1321 gtggcctctg gacgtcaccg ttggccctgca tggggccccc agagcggct ctatgaacaa
1381 cctcggttcc aaaccacagc ccacagccgg agacttgcg cactcggc

1441 agaaggtag gagtcccta gacagcctcg cagccgcgcc agtcgccc at agacactggc
1501 tgtgaccggg cgtgcgtggca gcggcagtgc acagtggcca gcactaaccc tccctgaga
1561 gataaccggc tcattca tt cctccagaa gacgcgtgtt agcgagatgg cacaggcgtg
1621 cacctgctcc cgaattactc accgagacac acgggctgag cagacggccc ctgtgatgg
1681 gacaagagc ttttgcacc atatccctta taacacccgc tggcatctcc ttgcgcct
1741 ccctccctaa cctactgacc cacccttga tttagcgca cctgtgattt ataggcctc
1801 caaagagtc caccgtggca tcaccctccc cgaggacgga gatgaggagtg agtcagcgtg
1861 atgccaaaac gcgtttttaatccaaatc taattctgaa tgttcgtgtt gggcttaata
1921 ccatgtctat taatatatacg cctcgatgtt gagagatgtt caaagaacaa aactccagac
1981 acaaaccctcc aaattttca gcagaagcac tctgcgtcgc tgagctgagg tcggctctgc
2041 gatccatacg tggccgcacc cacacagcac gtgcgtgac gatggctgaa cgaaagtgt
2101 acactgttcc tgaatattga aataaaacaa taaactttt

SEQ ID NO: 4

Human unknown cDNA PHG-4 (GenBank# AP006241)

166 bp

1 ttcatataca aaaagataaa acttggaaata gttctagatt ttccctccta
51 ttgttgggt gtaactgctt cttcacacag gggaaaaaaa ctacattcac
101 atcggtttat ttgaggaccc agtgcagatgt tcaagcagca aaaccccaac
151 ttagcagatc taattt

SEQ ID NO: 5

Human unknown cDNA PHG-5 (GenBank# BC011973)

1618 bp

1 ggcttggca ccgcattaag gcattccgc tctccgcggaa actgcgtgc cgtctcgcc
61 gtgaaagtgtt gagagggtcc gtagttgggtt caactttgac tccctcgc tgcccgatc
121 cttaaaggccc tcctcgctt cccggcgtcc ggtcgctgcc gggctgtgc gccggccgc
181 gccccccctc gctctgccc gggcgcttcc agctccctcg cgctggcccg cctccggcc
241 ccagccccggc cctggcccgag gtggctgggg gtcgcgcgc taggactggc ccccggtggcc
301 ctggggactg tcgcctggcg ccgcgcattgg cccaggcgcc gccggcggtt gcagcagggt
361 ggcaccgtgg cgaagctctg gatctacccg gtgaaatccct gcaaagggtt gccgggtgagc
421 gaggctgatgt gcacggccat ggggctgcgc agcggcaacc tgcgggacag gttttggctg
481 gtgattaagg aagatggaca catggtcaact gcccgcacagg agcctcgctt cgtctcattt
541 tccatcatattt atgagaataa ctgcctgatc ttcaagggttc cagacatggc ccagctgggtt
601 ttgccttagca agcagcccttc ctcaaacaaa ctccacaactt gcaggatattt tggccttgatc
661 attaaaggca gagactgtgg caatgaggca gctaagtggt tcaccaactt tttggaaactt
721 gaagcgatata gattgggtca atttggagaca aacatgaagg gaagaacatc aaaaaactt
781 ctccccactc ttgatcgaaa ttcccggtt gcttaccccg actactgccc gtcctgtatc
841 atgacagatg cttccctggt agattgtt accaggatgg agaagaaaat gaaaatggag
901 aatttcaggc caaatattgtt ggtgaccggc tttgtatgtt ttgaggagga tacctggat
961 gaactcctaa ttggtagtgtt agaagtggaa aaggtatgg catgccccag gtgtatttt

1021 acaacggtgg acccagacac tggagtcata gacagggaaac agccactgga caccctgaag
 1081 agctaccgcc ttgtgtatcc ttctgagagg gaattgtaca agttgtctcc acttttggg
 1141 atctattatt cagtggaaaa aatttggaaagc ctgagagttg gtgaccctgt gtatcgatg
 1201 gtgttagtgat gagtgtatgg tccacttaggg tgatatggct tcagcaacca ggagggattg
 1261 actgagatct taacaacacgc agcaacacata catcagcaaa tccttattat ccagcctca
 1321 actatctta ccctggaaaa caaatctcgat ttgtacttt tcaaagtgt gtatgctcca
 1381 ggttaatgca aggaaagtat tagagggggg aatatgaaag tatatatata aatttttaggt
 1441 actgaaggct taaaaataa ttaagatcat caaaaatgct atttgaatg ttatcatggc
 1501 tattacact ttacttcctg actttaatat tgatgaataa agcaagttt atgaatcaac
 1561 taaaaagctg caaaaaaaaaaaaaaaa aaaaaaaaaaaa aaaaaaaaaaaa aaaaaaaaa

SEQ ID NO: 6

Human peanut-like 2/septin 4 cDNA (GenBank# NM_080416)
1669 bp

1 cggcggtgct gcgagggtcg cgccgcagctc cgccgcgggt cgctcgggct ctgtccaggc
 61 ggagccggcc cccgcggc tgcagccatg atcaagcggt tcctggagga caccacggat
 121 gatggagaac tgagcaagtt cgtgaaggat ttctcaggaa atgcgagctg ccacccacca
 181 gaggctaaga cctggcatac caggccccaa gtcccggagc caaggccccaa ggccccggac
 241 ctctatgtat atgaccttgg gttcagaccc ccctcgcggc cccagtcc tcgacaaccag
 301 cagtaatcttgcgtccctc ccatctcagc ccacatgcgc ggcccccgcag cccatggggc
 361 aagcttgcattc ctctgaggat gacaaggagt atgtgggc ttgcacccctc
 421 cccaaaccaag tccaccgaaa gtccgtgaag aaaggctttt actttacccat catggtggca
 481 ggagagtctg gcctggcaaa atccacactt gtcaatagcc tcttcctcac tgatctgtac
 541 cgggaccggaa aacttcttgg tgctgaagag aggtcatgc aaactgttgg gatcactaag
 601 catgcagttt acatagaaga gaagggtgtt aggctgcggc tcaccatgt ggacacacca
 661 ggttttgggg atgcagtcaa caacacagag tgctggaaagc ctgtggcaga atacattgt
 721 cagcagtttgc agcagtattt ccgagacggag agtggcctga accgaaagaa catccaagac
 781 aacaggggtgc actgcgtcct gtacttcattc tcacccttcg gccatgggtt ccggccatttgc
 841 gatgttgaat tcatgaaggc cctgcattcag cgggtcaaca tcgtgcctat cctggctaaag
 901 gcagacacac tgacacctcc cgaagtggac cacaagaaac gcaaataccg ggaggagatt
 961 gagcattttgaatcaagat ctatcaatttcc ccaactgtt actctgtatga ggatgaggac
 1021 ttcaaatttgc aggaccaagc cctaaaggaa agcatccat ttgcagtaat tggcagcaac
 1081 actgttagtag aggccagagg gcccgcagg tggggctgcac tctacccttgc gggcatctg
 1141 gaagtggaaa acccaggcata ctgcgcactt gtgaagctga ggacaatgct ggtacgtacc
 1201 cacatgcagg acctgaagga tgtgacgcgg gagacacattt atgagaacta cggggcacag
 1261 tgcattccaga gcatgaccctt cctgggtggta aaggaacggatc atgcaccaacta actgactcgg
 1321 gaaagtggta ccgacttccc catccctgtt gtcccaccag ggacagatcc agaaactgag
 1381 aagcttatcc gagagaaaga tgaggagctg cggcggatgc aggagatgct acacaaaata
 1441 caaaaaacaga tgaaggagaa ctatcaactg gcattcagcc ctggatattt aaatctcctc
 1501 ctcttcatttgc tgcattccgc ggcccccaccatc accaccatgc ctgcgcaggc cccttcagct
 1561 actgccactt cgccttacat ccctgcgtac tgcccaagaga ctcagagggaa ataaagttt
 1621 ataaatctgtt aggtggctaa aaaaaaaaaaaa aaaaaaaaaaaa aaaaaaaaaaaa

SEQ ID NO: 7

Human coactosin-like 1 cDNA (GenBank# NM_021149)

1850 bp

SEQ ID NO: 8

Human clusterin mRNA (GenBank# BC019588)

1646 bp

1 ctgaccgagg cgtcaaaga ctccagaatt ggaggcatga tgaagactct gctgctgtt
61 gtggggctgc tgctgacctg ggagagtggg caggtcctgg gggaccagac ggtctcagac
121 aatgagctcc aggaatgtc caatcaggg agtaagtacg tcaataagga aattcaaaat
181 gctgtcaacg gggtaacaaca gataaaagact ctcataaaaa aaacaaaacga agagcgcaag
241 acactgctca gcaacctaga agaagccaag aagaagaaaag aggatgccct aatgagacc
301 aggaatcag agacaaaactg gaaggagctc ccaggagtgt gcaatgagac catgtggcc

361 ctctgggaag agttaagcc ctgcctgaaa cagacctgca tgaagttcta cgcacgcgtc
 421 tgcagaagtgcgtcaggcgttggccgc cagttgagg agttcctgaa ccagagctgc
 481 cccttctact tctggatgaa tggtgaccgc atcgactccc tgctggagaa cgaccggcag
 541 cagacgcaca tgctggatgt catgcaggac cacttcagcc ggcgtccag catcatagac
 601 gagctcttcc aggacagggtt ctccacccgg gagcccccagg atacctacca ctacctgccc
 661 ttccagccgtc cccacccggag gcctcacttc ttcttccca agtcccgcatt cgtccgcagc
 721 ttgatgccct tcttcggta cgagccctg aacttccacg ccatgttcca gcccttcctt
 781 gagatgatac acgaggctca gcaggccatg gacatccact tccacagcccc ggccttcag
 841 cacccgcca aagaattcat acgagaaggc gacgatgacc ggactgtgtc ccgggagatc
 901 cggcacaact ccacggctg cctgcccgt aaggaccagt gtgacaagtg ccgggagatc
 961 ttgtctgtgg actgttccac caacaacccc tccaggcta agctgcggcg ggagctcgac
 1021 gaatccccc aggtcgctga gagggtgacc agggaaataca acgagctgct aaagtctac
 1081 cagtggaga tgcacaacac ctcccttgc ctggagcagc tgaacgagca gtttaactgg
 1141 gtgtccccc tggcaacacct cacgcaaggc gaagaccagt actatctgc ggtcaccacg
 1201 gtggctccc acacttctga ctccgtcgtt tcactgaggt ggtcgtgaag
 1261 ctcttgact ctgatcccat cactgtgacg gtccctgttag aagtctccag gaagaacccct
 1321 aaattttatgg agaccgtggc ggagaaagcg ctgcaggaat accgaaaaaa gcacccggag
 1381 gagtgagatg tggatgtgc ttgcaccc acggggcat ctgagtcag ctccccccaa
 1441 gatgagctgc agccccccag agagagctct gcacgtcacc aagtaaccag gccccagcct
 1501 ccaggcccc aactccccc accctctccc cgctctggat cctgcactt aacactcgac
 1561 tctgctgtc atggaaagaa cagaattgtc cctgcatttca actaattcaa taaaactgtc
 1621 ttgtgagctg aaaaaaaaaaaaaaa

SEQ ID NO: 9

Human casein kinase 1, epsilon cDNA (GenBank# NM_152221)

1559 bp

1 gggaggcggc ggcggcggcg gcggcggcg cgagagccca gagccagagc ccggccgggg
 61 ccgagcggag cgccggcg gcggcggcg cggcggctgg gcccggagag gctggcgcgc
 121 cggcggctc cgcgaatccct cggcatccg ccccgccggg cgcggccgc cccggcagc
 181 ccccccggca gtggccggc atcggcgcct tccggccggg caagagttag ccatggagct
 241 acgtgtgggg aacaagtacc gcctggacg gaagatcggg agcgggtct tcggagat
 301 ctacctgggt gccaacatcg ctctgtga ggaagtcgc atcaagctgg agtgtgtgaa
 361 gacaaagcac ccccaagctgc acatcgagag caagtctac aagatgtgc agggtggcgt
 421 gggatcccg tccatcaagt ggtcggagc tgagggcagc tacaacgtga tggcatgga
 481 gctgctgggg cctagccctcg aggacctgtt caactctgt tccgc当地 tcagcctcaa
 541 gacgggtctg ctctggccg accagatgt cagccgcac ggttatatcc actccaagaa
 601 ctccatccac cggacgtca agccgcacaa ctccatcg gggctgggg agaagggcaa
 661 cctggctac atcatcgact tcggctggc caagaagtac cggacgcgc gcacccacca
 721 gcacattccc taccggaaa acaagaacct gaccggcact gcccgcctac ctccatcaa
 781 cacgcaccc ggcattgagc aaagccgtcg agatgacccctg gagagccctgg gctacgtct
 841 catgtacttc aacctgggtt ccctggctcg gcagggtctc aaagcagccca ccaagcgc
 901 gaagtatgaa cggatcagcg agaagaagat gtcaacgc ctcgagggtcc tctgcaagg
 961 ctatccctcc gaattctcaa cataccctaa ctctggccgc tccctggcgtt tgacgacaa
 1021 gcccggactac tcttacccat gtcagctttt ccgcacccctc ttccaccggc agggctctc
 1081 ctatgactac gtccttgact gaaacatgtc gcaagccggaa atcccgagga

1141 tgtggaccgg gagcggcgag aacacgaacg cgaggagagg atggggcagc tacgggggc
1201 cgcgaccgcg gcccgtcccc ctggccacc cacggggcc actgccaacc ggctccgcag
1261 tgccgcccgg cccgtggctt ccacgccagc ctcccgcatc cagccggctg gcaatacttc
1321 tcccagagcg atctcgccgg tcgaccggga gaggaaaggta agtatgaggc tgcacaggg
1381 tgcgcccggc aacgtctcct cctcagacct cactggcgga caagaggctt cccggatccc
1441 agcctcacag acaagtgtgc catttgacca tctcgggaag tgaggagac ccccatgg
1501 ccagtgtttt cttagtgtct tcactgttatt ttctttaaaa aaaaaaaaaaaaaaaa

SEQ ID NO: 10

Human ferritin, heavy polypeptide 1 cDNA (GenBank# BC015946)

910 bp

1 cctgcttcaa cagtgcgttgg acggAACCCG ggcgtcggtt cccACCCGG ccggccgccc
61 atagccagcc ctccgtcacc tcttcaccgc accctcggtac tgccccagg ccccccgcgc
121 cgctccagcg ccgcgcagcc accggccggc cggccgcctc tccttagtgc cggccatgac
181 gaccgcgtcc acctcgagg tgcgcagaa ctaccaccag gactcagagg ccgcctcaa
241 cggccagatc aaccgtggac tctacgcctc ctacgtttac ctgtccatgt cttaactactt
301 tgaccgcgtat gatgtggctt tgaagaactt tgccaaatac ttcttcacc aatctcatga
361 ggagagggaa cagtcgtgaga aactgtgaa gctgcagaac caacgagggtg gccgaatctt
421 ctttcaggat atcaagaaac cagactgtga tgactgggag agcgggtgatgcaatgg
481 gtgtgcattt catttggaaa aaatgtgaat cagtcactac tggaactgca caaactggcc
541 actgacaaaaa atgaccccca ttgtgtgac ttcatgtgaa cacattacct gaatgagcag
601 gtgaaagcca tcaaagaatt gggtgaccac tgaccaact tgaccaagat gggagcgc
661 gaatctggct tggcggata tctcttgac aagcacaccc tggagacag tgataatgaa
721 agctaagcct cgggcataatt tccccatagc cgtggggta cttccctgtt caccaaggca
781 gtgcattgtat gttgggttt ctttacatt ttctataagt tgaccaaaa catccactta
841 agttcttga ttgttaccat tcctcaaat aaagaaattt ggtacccaaa aaaaaaaaaaaa
901 aaaaaaaaaaaa

SEQ ID NO: 11

Human metarginin cDNA (GenBank# NM_003815)

2740 bp

1 cgctgccatcg cggctggcgc tgctctggc cctggggctc ctggggcgg gcagccctct
61 gccttcctgg cgcgtccaa atatagggtgg cactgaggag cagcaggcag agtcagagaa
121 ggcccccggg gagcccttgg agccccaggt cttcaggac gatctccaa ttgcctcaa
181 aaaggtgcctt cagaccagtc tgccgtgacc cctgaggatc aagttggagc tggacggta
241 cagtcataatc ctggagctgc tacagaatag ggagttggtc ccaggccggc caaccctgtt
301 gtggtaccag cccgtggca ctgggggtt cagtgaggaa cacacttgg agaactgctg
361 ctaccaggaa agagtgcggg gatatgcagg ctccctgggt tccatctgca cctgctctgg
421 gctcagaggc ttgggtgtcc tgacccaga gagaagctat accctggagc aggggcctgg
481 ggacccctcg ggtcccccata ttatttcgcg aatccaagat ctccacctgc caggccacac
541 ctgtgccctg agctggcggtt aatctgtaca cactcagacg ccaccagagc accccctgg
601 acagcgccac attcggcggaa ggccggatgt ggtaacagag accaagactg tggagttgg
661 gatttggctt gatcactcggtt aggcccgaa ataccgggac ttccagcacc tgctaaaccg
721 cacactggaa gtggccctct tgctggacac attctccgg cccctgaatg tacgagtggc

781 actagtggc ctggaggcct ggacccagcg tgacctggg gagatcagcc caaaccgc
 841 tgtcacccctc gaaaacttcc tccactggcg cagggcacat ttgctgcctc gattgcccc
 901 tgacagtgcc cagctggta ctggtaacttc attctctggg cctacgggtg gcatggccat
 961 tcagaactcc atctgttctc ctgacttctc aggagggttg aacatggacc actccaccag
 1021 catcctggga gtcgcctctc ccatagccca tgagttggc cacagcctgg gcctggacca
 1081 tgatttgccc gggaaatagct gcccctgtcc aggtccagcc ccagccaaga cctgcatcat
 1141 ggaggccctcc acagacttcc taccaggcct gaacttcagc aactgcagcc gacggccct
 1201 ggagaaagcc ctccctggatg gaatgggcag ctgccttc gaacggctgc ctgcctacc
 1261 ccctatggct gctttctgcg gaaatatgtt tgtggagccg ggcgagcagt gtgactgtgg
 1321 ctccctggat gactgcgtcg atccctgctg tgattcttg acctgcccagc tgaggccagg
 1381 tgcacagtgt gcatctgacg gaccctgttg tcaaattgc cagctgogcc cgtctggctg
 1441 gcagtgctgt cctaccagag gggattgtga ctgcctgaa ttctgcccag gagacagctc
 1501 ccagtgtccc cctgatgtca gcctagggga tggcgagccc tgcgctggcg ggcaagctg
 1561 gtgcgtgcac gggcggtgtg ctcctatgc ccagcagtgc cagtcactt ggggacctgg
 1621 agcccagccc gctgcgccac ttgcctcca gacagctaat actcggggaa atgcatttg
 1681 gagctgtggg cgcaacccca gtggcagttt tgtgtctgc acccctagag atgcatttg
 1741 tggcgagctc cagtccaga caggttaggac ccagcccttg ctgggcicca tccggatct
 1801 actctggag acaatagatg tgaatggac ttagctgaac tgcagctgg tgacacttgg
 1861 cctggcgagt gatgtggccc agcccctct gactctgcct ggcacagcct gtggccctgg
 1921 cctgggtgtt atagaccatc gatgccagcg tggatctc ctggggcac aggaatgtcg
 1981 aagcaaattgc catggacatg gggctgtga cagcaacagg cactgtact gtgaggaggg
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 2341 gggccgtgc ccatcggtt acctgcctgg cccaggggctt ggaatcccgc ccctgtgtt
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 2461 gaggttccgc tgcctccaag ccggacttag ggctcaaga ggcggcggtg ccctctggag
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 2581 acgcgtgtc aagcaacact ctgcggaccc gcccggtag ttgcagcggg ggcttgggaa
 2641 gggcgtggg gttggacggg attgaggaag gtccgcacag cctgtcttg ctcaatgtca
 2701 ataaacgtga catcttggga gcgtaaaaaa aaaaaaaaaaa

SEQ ID NO: 12

Human unknown cDNA PHG-13 (GenBank# AK026351)

1476 bp

1 gtttaatagc ttgaggaagg gagacttaa aaggacgtgt gtgagtggaaa taggatata
 61 ccattaccac ggtgccagga cctgacagcg ttccaattct tttgcagca tggggatca
 121 aaggtggcat gccaagttca actcagggtt gaggatcca cattgtccac atcaggcaag
 181 ccctgcactg acgggttggc ctcatggaga ggacatgtt ttggaaagag atccctttgt
 241 taactgtttt gtgggtttctt cttcaatggaa tttagagctca tgccctttt ctggctttgc
 301 tggatgtttt ggatggtaga gaatattccct gagacccctc ctttggccc ccagctttagt
 361 ccacccactc tcttccttg gttgaattct ctgaaggaaa ggttcatgtt ctattgtcc
 421 gtttagtcaat agtcttcata tataattgtt ttacatataat tgctgttagac tctcagaaat

481 caggtagag ctttcctt gagcagttt atgagtgaat tcagcagcaa agtcgcaaga
 541 aatggttctc cagccaggag aggttatgtt tattctctga ttggccgtt tctctgcaca
 601 cagtatc gtattcagt agaggcgctg ttggcaccca gcagcaccc gggcacacag
 661 cattcatgt catgtcacag tgtacaagct acccttaat tcagaaagaa gacatttg
 721 cacagagaaa aataaaaaaaga tccatgaat tcatcttta tcttttattt tcagttggct
 781 gatgtggaa ttttgttct tgcataaac ttgtaaaccat atctgccaa gatacaagtt
 841 gtttgggtt ttcaactaca tgacctcttg ttccctgt ctgtactgct gacgttcctc
 901 aatgattcta ttgtctatt tatggaaagc agcccccac taggttcctt ttacacact
 961 gcagggctat ctttatactt aaaaaaaaaaaa aaaaggacaa gaactgtcac
 1021 taacctcatg gaggggttg cgtaaaacca tttagccccac ctggagcaaa ggtagattc
 1081 cgtgttattt ttttaagctc actgtataa aatagatcta attcagcatt attgtgctac
 1141 cttaaaggta aaaaatgttt taaggtctt ttttggctt gagttctata tacagtgttt
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 1261 tttaatctt gtattttat ctcagaagaa taagtgtttt aaacgtgatc aattcttgct
 1321 ctgtgggtt aaacatataa tgaacagtca ttaagaatta agtactgtt tgccataaac
 1381 aagggtgatg ttcttttgtt tggtgttaag gaaaccctag ggctggctt tactcttgat
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SEQ ID NO: 13

Human retinaldehyde binding protein 1 cDNA (GenBank# NM_000326)
1679 bp

1 ggcacgaggt agagctccag gacattcagg taccaggtag ccccaaggag gagctgccga
 61 cctggcagg aacaaccaag actggggta aatctcacag cctgcaagtg gaagagaaga
 121 actgtaccc aggtccaaact tttgcgccac agcaggctgc ctctggctc tgacaggaag
 181 tcacaacttgc cccctgactt cctatccat ggaaggggcc ggctggagag gccaggacag
 241 agaaagcaga tcccttctt ttccaaggac tctgtgttccataggcaaa catgtcagaa
 301 ggggtggca cgttccgcat ggtacctgaa gaggaacagg agctccgtgc ccaactggag
 361 cagctcacaa ccaaggacca tggacctgct tttggccgt gcagccagc gccccccac
 421 accttgcaga aggccaaagga tgagctgaac gagagagagg agacccggga ggaggcagt
 481 cgagagctgc aggagatgtt gcaggcgcag gcccctcgg gggaggagct ggccgtggcc
 541 gtggcggaga ggggtgcaaga gaaggacacgc ggcttcttcc tgcgttcat ccgcgcacgg
 601 aagttcaacg tggccgtgc ctatgagctg cttagaggct atgtgaattt ccggctgcag
 661 taccctgagc tcttgcacag cctgtccca gaggctgtcc gctgcaccat tgaagctggc
 721 taccctgggt tccctcttag tcggacaag tatggccgag tggcatgtcttcaacatt
 781 gagaactggc aaagtcaga aatcacctt gatgagatct tgcaggcata ttgcttcata
 841 ctggagaagc tgctggagaa tgaggaaact caaatcaatg gctctgcat cattgagaac
 901 ttcaagggtt ttaccatgca gcaggctgct agtctccggatccatgtc caggaagatg
 961 gtggacatgc tccaggattc cttccagcc cgggttcaag ccatccactt catccaccag
 1021 ccatggtaact tcaccacgac ctacaatgtg gtcaagccct tcttgaagag caagctgtt
 1081 gagagggtct ttgtccacgg ggtgacattt tctgggttctt accaggagat cgatgagaac
 1141 atccgcctt ctgacttcgg gggcacgctg cccaaatgtat atggcaaggc cggtgttag
 1201 cagcttttg gccccccaggc ccaagctgag aacacagcc tctgaaaaca tctctgcca
 1261 gctgaactgt agttagaatac tctggccctc tccctcaactg tccctggaccc aaggcttaga
 1321 aagggtgctg tgtagatgact gtggccccc cttagactcc ctaagcccgaa gtgagctcag
 1381 gtgtcaccct gtttcaagt tggggatgg ggaataaagg agggggattt cccttgaaca

1441 agaagaactg gggatagttt tattccacc tgcccttcaa gcttaagac agtgatttt
 1501 gtgttaaggaa gtattcaaa gactcgaattt catttcctca atcatttcct ttgttaacaga
 1561 gtttacgac ttagagtctg tgaaaacagg caaggagccc gggtaaaat atccccctat
 1621 tcgcccccaa aatgcataaa aagaagataa aagagagagg aaaaaaaaaa aaaaaaaaaa

SEQ ID NO: 14

Human actin, gamma 1 cDNA (GenBank# BC009848)

1962 bp

1 agctctcgca ctctgttctt ccggccgtcc gccgtcggt ttctctgccc gtcgcaatgg
 61 aagaagagat cgccgcgtg gtcatgtaca atgggtccgg catgtcaaa gctggtttg
 121 ctggggacga cgctccccga gccgtgttc ctccatcggt cggcgcccccc agacaccagg
 181 gcgtcatgggt gggcatgggc cagaaggact cctacgtggg cgacgaggcc cagagcaagc
 241 gtggcatctt gaccctgaag tacccatgt agcatggcat cgtcaccaac tgggacgaca
 301 tggagaagat ctggcaccac accttctaca acgagctgccc cttggccccc gaggagcacc
 361 cagtgcgtgt gaccgaggcc cccctgaacc ccaaggccaa cagagagaag atgactcaga
 421 ttatgtttga gaccctcaac accccggcca tgcgtggc catccagggc gtgcgttccc
 481 tctacgcctc tgggcgcacc actggcattt tcatggactc tggagacggg gtcacccaca
 541 cggtgcccat ctacgaggc tacggccctt cccacgccc cttgcgttg gacctggctg
 601 gccgggaccc gaccgactac ctcatgaaga tccctactga gcgaggctac agcttccacca
 661 ccacggccga gcgggaaatc gtgcgcgaca tcaaggagaa gctgtgtac gtcggccctgg
 721 acttcgagca ggagatggcc accggcccat cctcttc tctggagaag agctacgagc
 781 tgcccgatgg ccaggcatac accattggca atgagcggtt cgggtgtccg gaggcgctgt
 841 tccagcccttc ctccctgggt atggaatctt ggcgcattca cgagaccacc ttcaactcca
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 961 gcaccaccat gtacccggc attggcaca ggatgcagaa ggagatcacc gcccggcgc
 1021 ccagcaccat gaagatcaag atcatgcac ccccaagagcg caagtactcg gtgtggatcg
 1081 gtggctccat cttggccctca ctgtccaccc tccagcagat gtggatttagc aagcaggagt
 1141 acgacgagtc gggccctcc atcgtccacc gcaaattgtt ctaaacggac tcagcagatg
 1201 cgtacgttgc gtcgtggc ttaatttgcg atagaaattt gcccggc当地 aatgcacaca
 1261 cctcatgcta gcctcagaa acttggataa gccttgc当地 agaaatttgc cttgaagctt
 1321 gtatctgata tcagcactgg atttgc当地 ttttgctga ttttgacctt gtattgaagt
 1381 taactgttcc ctttgttattt ttttaatac cctgtacata ttttgagtt caaccttttag
 1441 tacgtgtggc ttggcactt cgtggctaa gtaagaacgt gttgtggaa gacaagtcg
 1501 tggctgggt agtctgtgtt ggcaggcc tctgtatgtt gcagggtt aacgtgtcag
 1561 ggctgatgtt tctgggattt ctctagaggc tggcaagaac cagttgtttt gcttgcggg
 1621 tctgtcagggt ttggaaagtc caagccgtt gaccctgtt ctttcttag ctgtatgtt
 1681 tggccagaac accgtggctt gttacttgc ttgatgttgc agcggtttgc atttacgcct
 1741 gtaaatgtat tcattttaa ttatgttaa gtttttttgc tacgttgc当地 tcgttgc当地
 1801 gaagagatga caacaaattt tggtttctt ctgttgc当地 agaacatttgc gccc当地
 1861 cacgttgc当地 tggaaatgtt ctggccgttac caaaaaaaaaa aaaaaaaaaa
 1921 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aa

SEQ ID NO: 15

Human matrix metalloproteinase, membrane associated, cDNA (GenBank# X83535)
2365 bp

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1 gaattcaagt tcagtgccta ccgaagacaa aggccgcggc agggagtggc ggtgcgaccc
61 caggcggtgg gccggccgc ggagcccaca ctgccccgtt gaccgggtgg ttcggacca
121 tgtctcccgcc cccaagaccc tcccggtgtc tccgtctcc cctgctcacg ctggcaccg
181 cgctcgcc tcctcggtcg gcccaaagca gcagcttcg ccccgaagcc tggctacagc
241 aatatggcta cctgcctccc ggggacctac gtacccacac acagcgctca ccccagtac
301 ttcagcgcc catcgctgcc atgcagaagt ttacggctt gcaagtaaca ggcaaaagctg
361 atgcagacac catgaaggcc atgaggcgcc cccgatgtgg tggccagac aagtttgggg
421 ctgagatcaa ggccaatgtt cgaaggaagc gctacgccc ccagggtctc aaatggcaac
481 ataatgaaat cacttctgc atccagaatt acaccccaa ggtggcgag tatgccacat
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601 aggtgccta tgcctacatc cgtgagggcc atgagaagca ggccgacatc atgatcttct
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901 accagtggat ggacacggag aattttgtc tgcccgatga tgaccgcgg ggcacccagg
961 aactttatgg gggtgagtca gggccccca ccaagatgcc ccctcaaccc aggactaccc
1021 cccggccctc tggctctgat aaacccaaaa accccaccta tggcccaac atctgtgacg
1081 ggaactttaa caccgtggcc atgcctcgag gggagatgtt tgcctcaag gagcgttgtt
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2281 aggtggaaag attgttcagt tacccaaag actttgaaag aaagaaagaa agaaagaaaa
2341 aaaaaaaaaaaaaaaa aaaaaaaa

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SEQ ID NO: 16

Human SWI/SNF related/OSA-1 nuclear cDNA. (GenBank# NM_006015)

8595 bp

1 aaagcggaga gtcacagcgg ggccaggccc tggggagcgg agcctccacc gccccctca
 61 ttcccaggca agggctggg gggaaatgagc cgggagagcc gggcccggag cctacagagc
 121 cgggagcagc tgagccgccc ggcctcgcc cgccgcccgc gcctccctt cctccgccc
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2521 tgcagtgcca ggcaaccaga tgccacctcg gccacccagt ggccagtcgg acagcatcat
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 5101 catgcagaat cacattccctc aggtatccag ccctgtccc ctggccggc caatggagaa
 5161 ccgcacccctt cctagcaagt ctccatttc gcaactctggg atgaaaatgc agaaggcagg
 5221 tccccagta cctgcctcgc acatagcacc tgccctgtg cagccccca tgattcggcg

5281 ggatatcacc ttcccacctg gctctgttga agccacacag cctgtgttga agcagaggag
 5341 gcggctcaca atgaaagaca ttggaacccc ggaggcatgg cgggtaatga tgcctcaa
 5401 gtctggctc ctggcagaga gcacatggc attagatacc atcaacatcc tgctgtatga
 5461 tgacaacacg atcatgacct tcaacccatc ttagctcca gggttgctag agctccctgt
 5521 agaatatttc cgacgatgcc tgattgagat ctggcatt taaaggagt atgagggtgg
 5581 tgacccagga cagagaacgc tactggatcc tgggagggtc agcaaggtgt ctagtccagc
 5641 tcccatggag ggtggggaaag aagaagaaga acttctaggt cctaaactag aagaggaaga
 5701 agaagagaaa gtatgtgaaa atgatgagga gatagcctt tcaggcaagg acaagccagc
 5761 ttcagagaat agtgaggaga agctgatcag taagttgc aagttccag taaagatcgt
 5821 acagaagaat gatccatttg tggtgactg ctcagataag ctggcgctg tgcaggagtt
 5881 tgacagtggc ctgctcact ggccggattgg tgggggggac accactgagc atatccagac
 5941 ccacttcgag agcaagacag agctgctgcc ttcccgcc cacgcaccct gcccaccagc
 6001 ccctcgaaag catgtgacaa cagcagaggg tacaccaggg acaacagacc aggaggggccc
 6061 cccacctgt ggacctccag aaaaacggat cacagccact atggatgaca tggatctac
 6121 tcggcttagc accttgaccg aggatggagc taagttca gaggccatca aggagagcag
 6181 caagttcca ttggcatta gcccagcaca gagccaccgg aacatcaaga tcctagagga
 6241 cgaacccac agtaaggatg agacccact gtgtaccctt ctggactggc aggattctt
 6301 tgccaagcgc tgcgtctgt tgcataac cattcgaagc ctgtcattt tgccaggcaa
 6361 tgactttagt atgtccaaac acccagggt gctgctcatc ctggcaagc tgatctgct
 6421 gcaccacaag caccagaac ggaaggcacc accactaact tatgaaaagg aggaggaaca
 6481 ggaccaaggg gtgagctgca acaaagtgg tgggtgggg gactgctgg agatgctccg
 6541 ggaaaacacc ttggttcacac tcgccaacat ctggggcag ttggacctat ctccatacc
 6601 cgagagcatt tgccctgctg tcctggacgg actcctacac tggcagtt gccctcagc
 6661 tgaagcccg gaccctttt ccaccctggg cccaaatgcc gtccttccc cgcagagact
 6721 ggtctggaa accctcagca aactcagcat ccaggacaac aatgtggacc tggatctggc
 6781 cacacccccc ttcagccgccc tggagaagtt gtatagcact atggcgcgt tcctcagtga
 6841 ccgaaagaac ccgggtgtgcc gggagatggc tgggtactg ctggccaacc tggcaggg
 6901 ggacagcctg gcagctctg ccattgcagt gcagaaggc agtacggca acctcctggg
 6961 ctccctagag gacagccctg ccggccacaca gtccagcag agccaggcca gcctcctcca
 7021 catgcagaac ccaccctttt agccaacttag tggacatcg atgcggcggg ctgcccgcgc
 7081 gctgcttgc ttggccaagg tggacgagaa ccactcagag ttactctgt acgaatcact
 7141 gctgtggac atctcggtat caccgtgtat gaactcatg gttcacaag tcatttgta
 7201 tgtactgtt ttgattggcc agtcatgaca ggcgtggac acctccccccc cccgtgtgt
 7261 tgtgcgtgtg tggagaactt agaaactgac tggccctt tatttatgca aaaccaccc
 7321 agaatccagt ttaccctgtg ctgtccagct tcctccctgg gaaaaaagtct ctccgtttc
 7381 tctctcctcc ttccacccctcc cctccctcca tcacccatcg ccttctgtt ccttgcctc
 7441 accctactcc ctcaggacc ctacccacc ctcttggaaa agacaaagct ctgcctacat
 7501 agaagacttt ttatattta accaaagtta ctgtgttta cagtgagttt gggaaaaaaa
 7561 aataaaataa aaatggctt cccagtcctt gctggcttc ccagtcctg catcaacggg
 7621 atgccacatt tcataactgt tttaatggt aaaaaaaaaaaa aaaaaaaaaata caaaaaaaaa
 7681 ttctgaagga caaaaaaggt gactgctgaa ctgtgtgtt tacattcaca
 7741 atctgcagg agccaagaag ttcgcagttt tgaacagacc ctgttcactg gagaggcctg
 7801 tgcagtagag tggatggcc ttcatgtact gtactgtaca cctgatactg taaacatact
 7861 gtaataataa tgtctcatac ggaaacagaa aacgctgggt cagcagcaag ctgtgtttt
 7921 taaaatgtt tttagttaaa cgttgaggag aaaaaaaaaaaa aaggctttc ccccaaagta
 7981 tcatgtgtga acctacaaca ccctgaccc ttctctcc ccttgattgt atgaataacc

8041 ctgagatcac ctcttagaac tggtttaac ctttagctgc agcggctacg ctgccacgtg
 8101 tgtatatata tgacgttga cattgcacat accctggat ccccacagt ttggcctc
 8161 cccagctacc cctttatagt atgacgagtt aacaagtttg tgacctgcac aaagcgagac
 8221 acagctatTTT aatcttgc cagatatgc ccctcttggt gcgatgtgt acaggtct
 8281 gtaaaaaagtc cttgtgtct cagcagccaa tcaacttata gtttattttt ttctgggttt
 8341 ttgttttgtt ttgtttctt tctaattcggag gtgtaaaaaa gttctagggtt cagttgaagt
 8401 tctgtatgaag aaacacaatt gagatTTTTT cagtgataaa atctgcataat ttgtatttca
 8461 acaatgttagc taaaacttga tgtaattcc tcctttttt cctttttgg cttaatgaat
 8521 atcatttattt cagtatgaaa tctttatact atatgttcca cgtgttaaga ataaatgtac
 8581 attaaatctt ggtaa

SEQ ID NO: 17

Human unknown cDNA AMDP-3 (GenBank# AK024103)

3488 bp

1 taaaaagcat taggcatata aatgtataaa tatattttat catgtacagt aaaaaatgg
 61 aaccttatgc atggcccta ggaatacagg ctgttattc agcacagact tccctgc
 121 agttcttgc gatgttgc cctgtacgt gggcaccaac acagacgtgc caccaaccc
 181 cctgcacaca ccacccgcca ccagggccc cttgtgcgc ctggctta taactcct
 241 ggggtgata ttgggtgtga tcacagctcc tagcataatg agagtccat ttggatgt
 301 cacacgtctc ctgcctcgct tgggtgcca tgggtgagcg atggccctgt tgatttacc
 361 ctgccttta ctgaatctgt aaattgttgt gcaattgtgg ttatagtaga ctgtacaca
 421 ttgcctttc taaactgcta catgttata atcttcattt ttAAAGTATG tGAATT
 481 ttaagtatgtt attctattca tatggctgc ttgtcagtga gccagacttg cttactat
 541 tccttataa taatgttagc cacttcctgg attctttagt aatgtgtgc atgcaagaac
 601 ttccagtag cagtgaagga gggctgc tccaagcttc ctaagggatg ctgcctgt
 661 tggggatgca ttgcagaggc actagtagca tggggcttag agtggggagc gagatgtaaa
 721 agggtggggg gataggagaa ttccagatgt cttccagat tagggcctg agaacttctg
 781 agttcagaga aacatgcaaa gtgactaaca aatagctac ttacccctgc agtctacag
 841 accctggag ctgcttggg agtggagaaag gcaaccctcc aatgtgttc aactttaaaa
 901 tggtaattc ttccagaca tggatctca ttattctcc ttccatcg ttttgtaaat
 961 ttcaggcaga atgttctaca gactgtccta gaaccagatt atcatatcttgc
 1021 tgaggaaggg acagagaagg tacaaggca aggccgcaca aaacagatca ggagaatgaa
 1081 gagggatgc ttgggtttt tgggttgtt ttccatcgta actaaaacaa
 1141 catctacatg tagagtgtt tggagagctg agaccagggt aaagtcaagt gcagcatc
 1201 tactgcgaga cccaccagcc cctggagagg gtcagccgag aatctggtag tgaaggctgt
 1261 cttaggtccc ggcaccctca ccctcagcca cctgcagaga ggccaggccc ccagagacta
 1321 gcctggitct gaagtggca ggggtgtgc cagacccttc tgcccttat gtggagaccc
 1381 tgcttcagg acaggccagc cgtggccac catgtcacat tctgagttag tgcacaggt
 1441 ccctaacaat aatttctga tctggagcat atcagcagaa tgccttagct caagggcc
 1501 ggaagctgtatgttgc atggggatgtt tggatgttgc actatccgg gcccatttgc
 1561 aagctgtctt agggagccgc ctatTTTG atgagaaatt agaagagtac ctaatgttgc
 1621 aaacatgaca tgcgccttgc ggatctgt ttcctccag ggctccagaa cctgtatcc
 1681 gtacccaaag ctagggaaaga gcttatac aagccctc tgcctggca tgagaactgg
 1741 ctggcaggct cagtgttccat cattaactgt gaatgtatct gagcttgggtt tccttattt
 1801 ctccctctgc aatatgttgc ctgaaacaca tttaaaaat tcagaagctt gtcactccctg

1861 ttaatggag gatcgtcac acatgttag tacaaggcgg actttgtgtt tgtttttgtt
1921 gttaatttt agcattgtgt gtgtgcttc cccaccctga ggagaggaca ccatggctta
1981 ctactcagga caagtatgcc ccgcctcaggg tgtgattca ggtggctcc aaacttgtac
2041 gcagttaaa gatggggg acagacttg cctctaccta gtgaacccca cttaaagaat
2101 aaggagcatt tgaatctctt ggaaaaggcc atgaagaata aagcagtcaa aaagaagtc
2161 tccatgttgg tgccaaggac ttgcgagggg aaataaaaaat gtatccagc ctgaccaaca
2221 tggagaaacc ccgtctccat taaaaataca aaattagcct ggcattgtgg cgcatgcctg
2281 taatcccagc tactctggag gctgaggcag gagaatcgct tgaacccagg aggccggaggt
2341 cgcagtgagc cgagatcatg ccagtgca ctccagcctggg taacaagagt gaaactccgt
2401 gtcaaaaaaaaaaaaaaaaa atgttatca tcctctctga aagcaaaaag gaaaccctaa
2461 cagctctgaa ctctggttt attttcttg ctgtatttgg gtgaacattt tatgattagg
2521 cataatgtta aaaaaaaaaa attttttttt ggtagaaatg caatcaccag taaagaggt
2581 cgaaaaagct agcctctc agagaccggg gaggcagagt actactagag gaagtgaagt
2641 tctgatggaa tcatgcctgt caaatgaggt ctgtggcgg atgccccaaat aaaagaggt
2701 atttatcta aatcttaagt gggtaacatt ttatgcaggtaaaatgaatg gaatattttc
2761 ctctgttta gtgttatctg ttgttatttt ctgttatga atgattggc atgaggcctc
2821 ttgccacact ccagaaatac gtgtgcggct ctgtttttaaga actatgtgtc tggtcacita
2881 ttctctaaa attatctcat tgcctggcaa tcagtcctt ctgttataact tgctctagca
2941 cattatgtac atggaaaatg taaacaaaat tgaaggagga ccagaaaaat tagtttaat
3001 taaaaaaaaat gtattgtca ttggcctt acatgtttaa cttttttaa gaaaaaaagt
3061 gcatgaatgg aaaaaaaaaat ctgtatcacag tatctgtaaa aactatctt tctgtttcaa
3121 ttccctgctc atatccata taatcttagaa ctaaatatgg tggatggcca tatttaaaca
3181 cctgagagtc aagcagttga gactttgatt tgaaggcacct catccttctt tcaatgcgaa
3241 cactatcata tggcattctt actgaggatt ttgtcttaacc atatgtgtcc atgaattaac
3301 tctggccct ttcttaagga tcaaaaaccag ttgttggatttgg gaatcttccc ctttccaaat
3361 gaaatagaga tgcagttactt aactttccctt ggttttggatattgcct tggatattcc
3421 actaaaaacc gtaatcttagt ttgtaaaaga gatggtgacg catgtaaata aagcatcagt
3481 gacactct

SEQ ID NO: 18
Human MT1-MMP exon 1s
20 bp

5'GCCTACCGAAGACAAAGGCG3'

SEQ ID NO:19
Human MT1-MMP exon 1a
20 bp

5' TAGAGGCTGTCCCCTAGGAG 3'

SEQ ID NO:20
Human MT1-MMP exon 2s
20 bp

5'AGAGGCACCCTATGGGCCAG3'

SEQ ID NO:21
Human MT1-MMP exon 2a
20bp

5'CCTCTCTGGCGCTGGCATTG3'

SEQ ID NO:22
Human MT1-MMP exon 3s
20 bp

5'GCACTGATCCAATCCTCGC3'

SEQ ID NO:23
Human MT1-MMP exon 3a
20 bp

5'CCCTGCATAAGCACAAATGGG3'

SEQ ID NO:24
Human MT1-MMP exon 4s
20 bp

5'GGGAAGGAGAATGTTCCCC3'

SEQ ID NO:25
Human MT1-MMP exon 4a
20 bp

5'GAGGAGGGAACCACCCCTAC3'

SEQ ID NO:26
Human MT1-MMP exon 5s
20 bp

5'GGGAGGCTGAGGGAAGGGAC3'

SEQ ID NO:27
Human MT1-MMP exon 5a
20 bp

5'GGGGAAATGCGTAGACCAGG3'

SEQ ID NO:28
Human MT1-MMP exon 6s
20 bp

5'CCCGCCTCCTCCTAAGTCTG3'

SEQ ID NO:29
Human MT1-MMP exon 6a
20 bp

5'CAGCATGAGCCACCATGCC3'

SEQ ID NO:30
Human MT1-MMP exon 7s
20 bp

5'GAACCAGAGACCTAGGCCGC3'

SEQ ID NO:31
Human MT1-MMP exon 7a
20 bp

5'CAGCTCCTCTAGGGAGACCC3'

SEQ ID NO:32
Human MT1-MMP exon 8s
20 bp

5'CTAGAGCCTAAGTTGAACCC3'

SEQ ID NO:33
Human MT1-MMP exon 8a
20 bp

5'GTGGTGTTGGTTATGAGGG3'

SEQ ID NO:34
Human MT1-MMP exon 9s
20 bp

5'TAGGACATGCCCATGTCCGC3'

SEQ ID NO:35
Human MT1-MMP exon 9a
20 bp

5'TCCGCTTCCCTCAACTCCC3'

SEQ ID NO:36
Human MT1-MMP exon 10s
20 bp

5'CTCTTGTTGGTCTTCCCTTCC3'

SEQ ID NO:37
Human MT1-MMP exon 10a
20 bp

5'CTTCAGAGGCAAAGTCCTTG3'

SEQ ID NO:38
Human MT1-MMP intron 1s
20 bp

5'CTCGGCTCGGCCAAAGCAG3'

SEQ ID NO:39
Human MT1-MMP intron 1a
20 bp

5'GTAGGTCCCCGGGAGGCAGG 3'

SEQ ID NO:40
Human MT1-MMP intron 2s

20 bp

5' GTTTACGGCTTGCAAGTAAC 3'

SEQ ID NO:41

Human MT1-MMP intron 2a

20 bp

5' CCAAAC TTGTCTGGAACACC 3'

SEQ ID NO:42

Human MT1-MMP intron 3s

20 bp

5' CCAGGGTCTCAAATGGCAC 3'

SEQ ID NO:43

Human MT1-MMP intron 3a

20 bp

5' ATGTGGCATACTCGCCCACC 3'

SEQ ID NO:44

Human MT1-MMP intron 4s

20 bp

5' CTCTGCCGAGCCTTGGACTG 3'

SEQ ID NO:45

Human MT1-MMP intron 4a

20 bp

5' GCATGGCCCAGCTCGTGCAC 3'

SEQ ID NO:46

Human MT1-MMP intron 5s

20 bp

5' TGCCCGATGATGACCGCCGG 3'

SEQ ID NO:47
Human MT1-MMP intron 5a
20 bp

5'GGGTTGAGGGGGCATCTTGG 3'

SEQ ID NO:48
Human MT1-MMP intron 6s
20 bp

5'CACCGTGGCCATGCTCCGAG 3'

SEQ ID NO:49
Human MT1-MMP intron 6a
20 bp

5'CCATCACTGGTTATTCCCTC 3'

SEQ ID NO:50
Human MT1-MMP intron 7s
20 bp

5'CCTACGAGAGGAAGGATGGC 3'

SEQ ID NO:51
Human MT1-MMP intron 7a
20 bp

5'GGTCCAGGGACGCCTCATC 3'

SEQ ID NO:52
Human MT1-MMP intron 8s
20 bp

5'GGATGCCAATGGAAAGACC 3'

SEQ ID NO:53
Human MT1-MMP intron 8a
20 bp

5'CGCTATCCACTGCCCTGAGC 3'

SEQ ID NO:54
Human MT1-MMP intron 9s
20 bp

5'GGGATCCCTGAGTCTCCCAG 3'

SEQ ID NO:55
Human MT1-MMP intron 9a
20 bp

5'TGTTGAATTCCAGTATTG 3'

SEQ ID NO:56
Human MT1-MMP Promoter 5s-1 (-480)
20 bp

5'-TATTAGTAAACTGGCCCTTC-3'

SEQ ID NO:57
Human MT1-MMP Promoter 3a
20 bp

5'-ATCTTCTTGCTTAGTCG-3'

SEQ ID NO:58
Human MT1-MMP Promoter 5s-2 (-790)
20 bp

5'-TAGAGGTGGAACCAAACCCC-3'

SEQ ID NO: 59

Human MT1-MMP exon 5 PCR product

285 bp

1 GGGAGGCTGA GGGAAAGGGAC TCAGGCTGCT ATCGTCACTG TCCCCATCCTT
51 CCAGGAAATG ACATCTTCCT GGTGGCTGTG CACGAGCTGG GCCATGCCCT
101 GGGGCTCGAG CATTCAGTG ACCCCTCGGC CATCATGGCA CCCTTTACC
151 AGTGGATGGA CACGGAGAAT TTTGTGCTGC CCGATGATGA CCGCCGGGGC
201 ATCCAGCAAC TTTATGGCGA GTAGTCTACA CCCACGCCTG CTCCCTCCTC
251 TGCTGCTTGT TCCCTCCTGG TCTACGCATT TCCCC

SEQ ID NO: 60

Human MT1-MMP exon 5 PCR product with P259P polymorphism

285 bp

1 GGGAGGCTGA GGGAAAGGGAC TCAGGCTGCT ATCGTCACTG TCCCCATCCTT
51 CCAGGAAATG ACATCTTCCT GGTGGCTGTG CACGAGCTGG GCCATGCCCT
101 GGGGCTCGAG CATTCAGTG ACCCCTCGGC CATCATGGCA CCGTTTTACC
151 AGTGGATGGA CACGGAGAAT TTTGTGCTGC CCGATGATGA CCGCCGGGGC
201 ATCCAGCAAC TTTATGGCGA GTAGTCTACA CCCACGCCTG CTCCCTCCTC
251 TGCTGCTTGT TCCCTCCTGG TCTACGCATT TCCCC

SEQ ID NO: 61

Human MT1-MMP exon 5 PCR product with D273N polymorphism

285 bp

1 GGGAGGCTGA GGGAAAGGGAC TCAGGCTGCT ATCGTCACTG TCCCCATCCTT
51 CCAGGAAATG ACATCTTCCT GGTGGCTGTG CACGAGCTGG GCCATGCCCT
101 GGGGCTCGAG CATTCAGTG ACCCCTCGGC CATCATGGCA CCGTTTTACC
151 AGTGGATGGA CACGGAGAAT TTTGTGCTGC CCAATGATGA CCGCCGGGGC
201 ATCCAGCAAC TTTATGGCGA GTAGTCTACA CCCACGCCTG CTCCCTCCTC
251 TGCTGCTTGT TCCCTCCTGG TCTACGCATT TCCCC

SEQ ID NO: 62

Human ABCR cDNA (GenBank# NM_000350)

7318 bp

1 ctggcttta acggcgta tgccttgc tgtctgaggg gcctcagctc tgaccaatct
61 ggtttcggt tggcattag catgggcttc gtgagacaga tacagcttt gctctggaaag
121 aactggaccc tgccggaaaag gcaaaagatt cgctttgtgg tggaactcgt gtggccttta
181 tcatttatttc tggcttgat ctggtaagg aatgccaacc cgctctacag ccatcatgaa
241 tgccatttcc ccaacaaggc gatgccctca gcaggaatgc tgccgtggct ccaggggatc
301 ttctgcaatg tgaacaatcc ctgtttcaa agccccaccc caggagaatc tcctggaaatt
361 gtgtcaaact ataacaactc catctggca agggtatatc gagatttca agaactcctc
421 atgaatgcac cagagagcca gcacccggc cgtatggc cagagctaca catttgtcc
481 caattcatgg acaccctccg gactcacccg gagagaattt caggaagagg aatacgaata
541 agggatatct tgaaagatga agaaacactg acactatttc tcattaaaaa catggcctg
601 tctgactcag tggctcacct tctgatcaac tctcaagtcc gtccagagca gttcgctcat

61 ggagtcccg acctggcgt gaaggacatc gcctgcagcg aggcctcct ggagcgcctt
721 atcatctca gccagagacg cggggcaaag acggcgcgt atgccctgt ctcccctcc
781 cagggcaccc tacagtggat agaagacact ctgtatgcca acgtggactt cttcaagtc
841 ttccgtgtgc ttcccacact cctagacagc cggttcaga gtatcaatct gagatcttgg
901 ggaggaatat tatctgatgt tcaccaaga attcaagagt ttatccatcg gcccggatg
961 caggacttgc tgggtgac caggccctc atgcagaatg gtggccaga gaccattaca
1021 aagctgtatgg gcacccctgtc tgacccctgtc tggtgcattcc cggagggagg tggctctgg
1081 gtgctctcct tcaactggta tgaagacaat aactataagg ccttctggg gattgactcc
1141 acaaggaagg atcctatcta ttcttatgac agaagaacaa catccttttga taatgcattt
1201 atccagagcc tggagtcaaa tccttaacc aaaatcgctt ggagggccgg aaagcccttgg
1261 ctgtggaa aaatccgtta cactctgtat tcacccgtcag cacgaaggat actgaagaat
1321 gccaactcaa ctttgaaga actggaacac gtttaggaagt tggtaaagc ctgggaagaa
1381 gttagggcccc agatctggta ctcttgac aacagcacac agatgaacat gatcagagat
1441 accctgggaa acccaacagt aaaagacttt ttgaataggc agcttggta agaaggatt
1501 actgctgaag ccacccctaaa ctccctctac aaggccctc gggaaagcca ggctgacgac
1561 atggcaact tcgactggag ggacatattt aacatcactg atgcacccct ccgcctgtc
1621 aatcaatacc tggagtgtt ggtccctggat aagttgaaa gctacaatga tggaaactcag
1681 ctacccaaac gtggcccttc tctactggag gaaaacatgt tctggccgg agtggatt
1741 cctgacatgt atccctggac cagctctcta ccacccacg tgaagtataa gatccgaatg
1801 gacatagacg tggtgagaa aaccaataag attaaagaca ggtattgggaa ttctggcc
1861 agagctgatc ccgtggaga tttccggatc atctgggatc gggttgccta tctgcaggac
1921 atggtaaac agggatcac aaggagccag gtgcaggcgg aggctccagt tggatctac
1981 ctccagcaga tggccctaccc ctgttctgt gacgattctt tcatgtatcat cctgaaccgc
2041 tggccctta tcttcatggat gctggcatgg atctactctg tctccatgc tggtaagagc
2101 atcgcttgg agaaggagtt ggcactgaag gagacctga aaaatcaggg tggctccat
2161 gcaactgtt ggtgtaccctg gttccctggac agcttccca tcatgtcgt gaggcatctt
2221 ctccgtacga tattcatcat gcatggaga atcctacatt acagcgaccc attcatctt
2281 ttccgttct tggtgccctt ctccactgatc accatcatgc tggcttctt gctcagcacc
2341 ttccctccaa aggccacttgc ggcagcagcc tggatgttgc tcatctt caccctctac
2401 ctggccacaca tcctgtgttgc cgcctggcag gaccgcgttgc cccgtggactt gaaaaaggct
2461 gtggacttac tggatgttgc ggcatttggat tggacttgc agtggacttgc tggcttgc
2521 gagcaaggcc tggggctgc tggagcaac atcgggaaca gtcccacggg agggacgaa
2581 ttccgttcc tggatgttgc tggatgttgc tggacttgc tggcttgc tggcttact
2641 gctggatcc tggatgttgc gttccggat gactatggaa ccccaacttcc tggacttgc
2701 ctccatcataag agtctgtattt gcttagcggtt gatggatgtt caaccagaga agaaagagcc
2761 ctggaaaaga ccgagccctt aacagaggaa acggaggatc cagagcaccc agaaggaaata
2821 cacgacttcc tcttgcac tggatgttgc gggatgttgc tggatgttgc tggcttact
2881 ctggtaaaga ttttgc tggatgttgc gggatgttgc tggatgttgc tggatgttgc
2941 tacgagaacc agatcaccgc attccctggc cacaatggat gggatgttgc tggatgttgc
3001 tccatctca cgggtctttt gggatgttgc tggatgttgc tggatgttgc tggatgttgc
3061 attggaaacca gctggatgtc agtccggcag accctggca tggatgttgc tggatgttgc
3121 ctgttccacc acctcacttgc ggtggatgttgc tggatgttgc tggatgttgc tggatgttgc
3181 tccaggagg aggccacttgc ggagatggaa gggatgttgc tggatgttgc tggatgttgc
3241 aagcggaaatg aagaggctca ggacccatca ggtggatgtc agagaaatgc tggatgttgc
3301 attgccttttgc tggatgttgc tggatgttgc tggatgttgc tggatgttgc tggatgttgc
3361 cttctactcgt gacgctcaat ctggatgttgc tggatgttgc tggatgttgc tggatgttgc

3421 atcatgccca ctcaccacat ggacgaggcc gaccaccaag gggaccgcatt tgccatcatt
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 3601 gaggggacact gcagctgctc gtctaagggt ttctccacca cgtgtccagc ccacgtcgat
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 4381 ctccgtgaata agccaggctt tgccaaccgc tgcctgaagg aagggtggct tccggagatc
 4441 ccctgtggca actcaacacc ctggaaagact cttctgtgt ccccaaacat cacccagctg
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 4561 gagaagctca ccatgtgcgc agagtgcggc gagggtggc ggggcctccc gccccccag
 4621 agaacacagc gcagcacggc aattctacaa gacctgacgg acaggaacat ctccgacttc
 4681 ttggtaaaaaa cgtatcctgc tcttataaga agcagcttaa agagcaaattt ctgggtcaat
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 4861 atcaactagag aggcctctaa agaaataccct gattccctta aacatctaga aactgaagac
 4921 aacattaagg tgggttaa taacaaaggc tggcatgccc tggcagctt tctcaatgt
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 5761 ctgctggcc agccacattt cttccctctcc caatggattt ccggagccac taaggagccc
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 5881 aaaactgaca tcttaaggctt acatgaacta accaagattt atctgggacac ctccagccca
 5941 gcagtgacatggc ggcgtgtgtt cggagttcgc cctggagatg gctttggcct cctgggatgt
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 6061 ggggatggccca ccgtacggcagg caagagtattttaaccaata ttatgtatgtt ccacaaaat
 6121 atgggctact gtcctcgtt tggatgtatgtt gatgacatgtc tcacaggacg agaacatctt

6181 tacctttatg cccggcttc aggtgtacca gcagaagaaa tcgaaaagggt tgcaaactgg
 6241 agtattaaga gcctgggcct gactgtctac gccgactgcc tggctggcac gtacagtggg
 6301 ggcaacaagc gaaactctc cacagccatc gcactcattg gctgccacc gctggtgctg
 6361 ctggatgagc ccaccacagg gatggacccc caggcacgcc gcatgctgtg gaacgtcatc
 6421 gtgagcatca tcagaaaagg gaggcgtgtg gtcctcacat cccacagcat ggaagaatgt
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 6661 ccaggcagtg tgcagaggga gaggcactac aacatgtcc agttccaggt ctccctcc
 6721 tccctggcga gnatcttcca gtccttc tcccacaagg acagcctgct catcaggag
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 7021 gcagaaaaca aacacacgag gaggcatgcag cgaattcaga aagaggctt tcagaaggaa
 7081 accgaaactg acttgcac ctggAACcc tgcattgtt accaaacaaa tacaaaatcc
 7141 ttctccagac cccagaacta gaaACCCGG gccatcccac tagcagctt ggcctccata
 7201 ttgcctcat ttcaagcaga tctgcatttc tgcattgtt tctgtgtc tgcattgtt
 7261 gtgatttca tggaaaaata aaatgcaaat gcactcatca caaaaaaaaaaaaaaaa

SEQ ID NO: 63

Human apolipoprotein E cDNA (GenBank# NM_000041)

1156 bp

1 cgcagcggag gtgaaggacg tcctccccca ggagccgact gccaatcac aggcaggaag
 61 atgaagggttc tggctgtgc gttgtggc acatttcgtt caggatgcca gccaagggt
 121 gagcaagcgg tggagacaga gcccggagccc gagctggccg acgagaccga gtggcagagc
 181 ggccagcgtt ggaaactggc actgggtgc ttttggatt acctgcgtt ggtcagac
 241 ctgtctgagc aggtgcagga ggagctgctc agtcccagg tcacccagga actgaggcg
 301 ctgatggacg agaccatgaa ggagttgaag gcctacaat cggaaactgga ggaacaactg
 361 accccgggtt cggaggagac gcccggcacgg ctgtccaagg agtgcagggc ggcgcaggcc
 421 cggctggcg cggacatgga ggacgtgtc ggccgcctgg tgcagttaccg cgccgagggt
 481 caggccatgc tggccagag caccgaggag ctgggggtgc gcctgcctc ccacctgcgc
 541 aagctgcgtt agcggctctt ccgcgtatgcc gatgacccgtt agaagccctt ggcagtgtac
 601 caggccgggg cccgcgggg cggccggcgc ggcctcagcg ccattccgcga ggcctgggg
 661 cccctgggtt aacagggccg ctgcggggcc gccactgtgg gtccttcggc cggccagccg
 721 ctacaggagc gggcccgaggc ctggggcggag cggctgcgcg cgcggatgga ggagatggc
 781 agccggaccc cgcggccctt ggacggaggta aaggagcagg tggcgagggt ggcgcggcaag
 841 ctggaggagc aggcccagca gatacgcctg caggccggagg ccitccaggc cccgcctcaag
 901 agctgggttc agccctgtt ggaagacatg cagcgcaggat gggccgggtt ggtggagaag
 961 gtgcaggctg ccgtgggcac cagcgcgcgc cctgtgccca ggcacaatca ctgaacgcgc
 1021 aagcctgcag ccatgcgacc ccacgcccacc ccgtgcctcc tgcctccgcg cagcctgcag
 1081 cgggagaccc tggccggcc ccaaggcgtcc tccctgggtt gacccttagtt taataaagat
 1141 tcaccaagtt tcacgc

SEQ ID NO: 64

Human C-C chemokine receptor-2 (Ccr-2) cDNA (GenBank# NM_000647)
2273 bp

1 caggactgcc tgagacaagc cacaagctga acagagaaaag tggattgaac aaggacgcat
 61 ttccccagta catccacaac atgctgtcca catctcggttc tcggtttac agaaatacc
 121 acgagagcgg tgaagaagtc accacccttt ttgattatga ttacgggtgc ccctgtcata
 181 aatttgacgt gaagcaaatt gggcccaac tcctgcctcc gctctactcg ctgggttca
 241 tccttggttt tgtggcaac atgctgtcg tcctcatctt aataaaactgc aaaaagctga
 301 agtgcttgac tgacatttac ctgctcaacc tggccatctc tgcatttttttgcatttatt
 361 ctctccatt gtgggctcac tctgcgtcaatgagtgggt ctggaaat gcaatgtgca
 421 aattatttcac agggctgtat cacatcggtt atttggcgg aatcttc atcatcctcc
 481 tgacaatcga tagataacctg gctattgtcc atgctgtgtt tgcttaaaa gccaggacgg
 541 tcacccttgg ggfggtgaca agtgtatca cctgggtgggt ggctgtgttt gcttcgtcc
 601 caggaatcat cttaactaaa tgccagaaaag aagattctgt ttatgtctgt ggcccttatt
 661 ttccacgagg atggaataat ttccacacaa taatgaggaa cattttgggg ctggcctgc
 721 cgctgctcat catggicatc tgctactcgg gaatcctgaa aaccctgtt cgggtcgaa
 781 acgagaagaa gaggcatagg gcagttagag tcatcttc acatcatgatt gtttacttcc
 841 tcctctggac tccctataac attgtcattc tcctgaacac ctccaggaa ttctcggcc
 901 tgagtaactg tgaaagcacc agtcaacttgg accaagccac gcaggtgaca gagactctg
 961 ggatgactca ctgctgcataatccatca tctatgcctt cggtggggag aagttcagaa
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 1081 gtccaggagt gagaccagga aagaatgtga aagtgactac acaaggactc ctcgatggc
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 1321 gactccagct gggtggaaa acagtatccc ccaaactacc ttccagtcc tcatttttgc
 1381 atacaggcat agagttcaga cttttttaa atagtaaaaaa taaaattttaa gctgaaaact
 1441 gcaacttgta aatgtgttaa agagttgtt tgagttgcta tcatgtcaaa cgtgaaaatg
 1501 ctgtatttagt cacagagata attctgtt tgagcttaag aattttgagc aggtggatg
 1561 ttggggagac tgctgagtc accaatagt ttgtgttgg caggagttgg aagtgtgtga
 1621 tctgtggca cattagccata tgcgtatgc gcatctaaatgttgc ttgtatcac
 1681 agtatacgtt ccatcgctgt catctcagct ggatctccat tctctcaggc ttgtgc
 1741 aaggcccttgc tggtttttgtt tgcattatcata tgaagtcatg cgttaatca cattcgatgt
 1801 ttccagtgtc tcgcagatgt ctgtatgtc catattgttc cctaaatttgc cagtggaaac
 1861 tcctaaatca aattggcttc taatcaaagc tttaaaaccc tattggtaaa gaatggaaagg
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 1981 tcttatgttg cccagtgtgt ttctgtatgc atgcaagccaa gaaacactgg gcttcata
 2041 ccaggcaact tggaaacttag actcccaagc tggactatgg ctctacttcc aggcacatg
 2101 gctaaagaag gtttcagaaa gaagtggggcagagcagaa ctttcacccatcatatattg
 2161 tatgtatccata atgaatgttaa ttgtatgggtt atgaaatgtaa aataactgtt
 2221 ttaacaacta tgatttgaa aataaaatcaa tgctataact atgttgataa aag

SEQ ID NO: 65

Human cystatin C cDNA (GenBank# NM_000099)

818 bp

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1 cgccgggt cctcttatac tagctccagc ctctcgctg cgccccactc cccgcgtccc
61 ggcgtccatgc cgaccatggc cggggccctg cgcgcggcc tgctccgtct ggccatccctg
121 gccgtggccc tggccgttag ccccgccggcc ggctccagtc cggcaagcc gccgcgcctg
181 gtgggaggcc ccatggacgc cagcgtggag gaggagggtg tgcggcgtgc actggacttt
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361 cgaaccacgt gtaccaagac ccagccaaac ttggacaact gccccttcca tgaccagcca
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661 gcccgccttg ttgctcagca agggctctg ccctccctcc ttcccttgc ttctcatag
721 ccccggtgtg cggcgtac acccccacct cctgcaataa aatagtagca tcggcaaaaaa
781aaaaaaaaaaa aaaaaaaaaaaa aaaaaaaaaaaa aaaaaaaaaaaa

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SEQ ID NO: 66

Human hemicentin/FIBL-6 cDNA (GenBank# NM_031935)

18209 bp

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1 gaagccgcat ccagacaaaa gctgccgcat ccctgcctg cccaaccct ggagggattc
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121 ccaagagctt gatgaggtaa tctgagagga aacccttgc ctgtgttga ggaggactga
181 gcacagtgtt taggcgttga gggggaaaaa gggggggaaa aaaaagaaaaa tgattccctg
241 ggaagttgtc catacagttt tcctgtttgc ttttttttgc tttcccttag ctcaagatgc
301 gagcccccaag tcagagatca gagctgagga aattcccgag ggggcctcca cgttggcttt
361 tgtgttgtat gtgactgggtt ctatgtatga tgatttagtt caggtgttgc aaggggcttc
421 caaaatttt gggacgttct tgaaaagacc taaaagacct ttttcaact ttgcgttgg
481 gcctttccat gatccagaaa ttggccctgt gacaattacc acagatccca agaaattca
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721 gtcacaagtc gtatttgttc tgactggaga ttgtgtatgc aggaccata ttggatataa
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1321 tttagtgc tcaatggatc tatttttttttgc ttatattacc cacatcgaaa

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1381 accttatggc atatggaaa ttctgactt tgtaccacca aatgaagctt tctttctcaa
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SEQ ID NO: 67

Human manganese superoxide dismutase 2 cDNA (GenBank# NM_000636)
1026 bp

SEQ ID NO: 68

Human C-C chemokine ligand 2 (Ccl-2)/monocyte chemoattractant protein 1 cDNA
(GenBank# NM_002982)
757 bp

721 accaaataaa tatattttg tacaaaaaaaaaaaaaa

SEQ ID NO: 69

Human paraoxonase 1 cDNA (GenBank# NM_000446)

2395 bp

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SEQ ID NO: 70

Human unknown protein PHG-1 hypothetical peptide 1 (GenBank # AL832747)

74 aa

M A F L V H S Q P V I L G F T V L L S Y I L R Y Q L L F F K F V F I L F D K K P A L A T H T H N K
S H F K I V A Q T P R K K R K E K L E Q Q Q Q K N

SEQ ID NO: 71

Human unknown protein PHG-1 hypothetical peptide 2 (GenBank # AL832747)

55 aa

M T L L V F T S H V Q C P N R Q C K K Y P V W F N R K S V Y V S L F E T S F T L S G S L S S M
K S A R N I G W

SEQ ID NO: 72

Human unknown protein PHG-1 hypothetical peptide 3 (GenBank # AL832747)

52 aa

M E T N F V E L L P F D L G L E Y E L L Y N S Y S Y L A N A Q F S I T S L M A F T R K A V L E A
I V I H

SEQ ID NO: 73

Human unknown protein PHG-1 hypothetical peptide 4 (GenBank # AL832747)

45 aa

M Y F A M K L P L G L I I S I P L L R N V Q M I L Y S T T L V P L C M T V R F F F F L L F

SEQ ID NO: 74

Human unknown protein PHG-1 hypothetical peptide 5 (GenBank # AL832747)

43 aa

M D R E N Q I S S Y N C L A N G I S G S F S A S H F R L H S L T L L H F K I P A F I F

SEQ ID NO: 75

Human unknown protein PHG-1 hypothetical peptide 6 (GenBank # AL832747)

37 aa

M C C F G Y T H S F F F N R I Y C L V S L W T G T V D A H L K V K C H F F

SEQ ID NO: 76

Human unknown protein PHG-1 hypothetical peptide 7 (GenBank # AL832747)

35 aa

M F S V Q T G N V K S I L C G L T G N L F M S L Y L K P V L L S V V L

SEQ ID NO: 77

Human unknown protein PHG-1 hypothetical peptide 8 (GenBank # AL832747)

34 aa

M I Y F L K S N F N S S C L T E A C Q Y M C C I F F A F V E K L H I

SEQ ID NO: 78

Human unknown protein PHG-1 hypothetical peptide 9 (GenBank # AL832747)

34 aa

M P R A I V F P P F F A S F S Y P L F Q L Q M P K K M P T D T T L P

SEQ ID NO: 79

Human prostaglandin D2 synthase protein (GenBank# NM_000954)
190 aa

MATHHTLWMGLALLGVLGDLQAAPEAQSVQPNFQQDKFLGRWFSAGLASNS
SWLREKKAALSMCKSVVAPATDGGLNLTSTFLRKNQCETRTMILLQPAGSLGSYS
YRSPHWGSTYSVSVVETDYDQYALLYSQGSKGPGEDFRMATLYSRTQTPRAEL
KEKFTAFCKAQGFTEDTIVFLPQTDKCMTEQ

SEQ ID NO: 80

Human myelin basic protein (GenBank# M13577)
170 aa

MASQKRPSQRHGSKYLATASTMDHARHGFLPRHRDTGILD SIGRGFGDRGAPKR
GSGKD SHHPARTAHYGSLPKSHGRTQDENPVHFFKNIVTPRTPPPSQGKGRG
LSLSRF SWGAEGQRPGFGYGGRASDYKSAHKGFKGVD AQGTL SKIFKL GGRDSR
SGSPMARR

SEQ ID NO: 81

Human unknown protein PHG-4 peptide 1 (GenBank# AP006241)
38 aa

I R S A K L G F C C L N S A L G P Q I N R C E C S F F P L C E E A V T P Q Q

SEQ ID NO: 82

Human unknown protein PHG-4 peptide 2 (GenBank# AP006241)
38 aa

L L G C N C F F T Q G E K T T F T S V Y L R T Q C R V Q A A K P Q L S R S N

SEQ ID NO: 83

Human unknown protein PHG-4 peptide 3 (GenBank# AP006241)
37 aa

F I Y K K I K L E I V L D F S S Y C W G V T A S S H R G K K L H S H R F I

SEQ ID NO: 84

Human unknown protein PHG-5 (GenBank# BC011973)
334 aa

MGASSSSALARLGLPARPWPRWLGVAAALGLAAVALGTVAWRR AWPRRRRLQ
QVGTVAKLWIYPVKSCKGVPVSEAECTAMGLRSGNLRDRFWLVIKEDGHMVTA
RQEPLRLVLI SIYENNCLIFRAPDMQLVLP SKQPSSNKLHNCRIFGLDIKGRCGN
EAAKWFTNFLKTEAYRLVQFETNMKGRTSRKLLPTLDQNFQVAYPDYCPLLIMT
DASLVDLNTRMEKKMKGMEFRPNIVVTGCDAFEEDTWDELLIGSVEVKKVMAC

PRCILTTVDPDTGVIDRKQPLDTLKSYRLCDPSERELYKLSPLFGIYYSV EKIGSLR
VGDPVYRMV

SEQ ID NO: 85

Human peanut-like 2/septin 4 protein (GenBank# NM_080416)
459 aa

MIKRFLEDTTDDGELSKFVKDFSGNASCHPPEAKTWASRPQVPEPRPQAPDLYD
DDLEFRPPSRPQSSDNQQYFCAPAPLSPSARPRSPWGKLDPYDSSEDDKEYVGFA
TLPNVHRKSVKGFDFTLMVAGESGLGKSTLVNSLFTDLYRDRKLLGAERI
MQTVEITKHADIEEKGVRLRTIVDTPGFGDAVNNTECWKPVAEYIDQQFEQY
FRDESGLNRKNIQDNRVHCCLYFISPFGHGLRPLDVEFMKALHQRVNIVPILAKA
DTLTPPEVDHKKRKIREEIEHFGIKIYQFPDCSDDEDEDFKLQDQALKESIPFAVIG
SNTVVEARGRRVRGRLYPWGIIVEVENPGHCDFVKLRTMLVRTHMQDLKDVTRE
THYENYRAQCISQSMTRLVVKERNRNKL TRESGTDFPIP AVPPGTDPETEKLIREK
DEELRRMQEMLHKIQKQMKENY

SEQ ID NO: 86

Human coactosin-like 1 protein (GenBank# NM_021149)
142 aa

MATKIDKEACRAAYNLVRDDGSAVIWVTFKYDGSTIVPGEQGAEYQHFIQQCTD
DVRLFAFVRFTTG DAMSKRSK FALITWIGENVSGLQR AKTGT KTLVKEVVQNF
AKEFVISDRKELEEDFIKSELKKAGGANYDAQTE

SEQ ID NO: 87

Human clusterin protein (GenBank# BC019588)
449 aa

MMKTLLLFGVLLTWESGQVLGDQTVDNE LQEMS NQGSKYVNKEIQNAVNG
VKQIKTLIEKTNEERKTL SNLEEAKKKEDALNETRESETKLKELPGVCNETMM
ALWEECKPCLKQTCMKFYARVCRSGSGLVGRQLEEFLNQSSPFYFWMNGDRID
SLLENDRQQTHMLDVMQDHFSRASSII DELFQDRFFTREPQDTYHYLPFSLPHRR
PHFFFPKS RIVRSLMPFSPYEPLNFHAMFQP FLEMIHEAQQAMDIHFHSPAFQHPP
TEFIREGDDDRTVC REIRHNSTGCL RMKDQCDKCREILS VDC STNNPSQAKLRRE
LDES LQVAERLTRKYNELLKSYQWKMLNTSS LLEQLNEQFNWVSRLANLTQGE
DQYYLRVTTVASHTSDVPSGVTEVVVKLFSDPITVTVPEVSRKNPKFMET
VAEKALQEYRKKHREE

SEQ ID NO: 88

Human casein kinase 1, epsilon protein (GenBank# NM_152221)
416 aa

MELRVGNKYRLGRKIGSGSGFDIYLGANIASGEEVAIKLECVKTKHPQLHIESKF
YKMMQGGVGIPS IKWC GAEGDYN VMVMELLGPSLEDLFNFC SRKF SLKTVLLL
ADQMISRIEYIH SKNFIH RDVKPDNFLM GLGKGNLVYIIDFGLAKKYRDARTHQ

HIPYRENKNLTGTARYASINTHLGIEQSRRDDLESLGYVLMYFNLGSLPWQGLKA
ATKRQKYERISEKKMSTPIEVLKGPSEFSTYLNFCRSLRFDDKPDYSYLRLQLFR
NLFHRQGFSYDVFDWNMLKFGAARNPEDVDRERREHEREERMQLRGSATR
ALPPGPPTGATANRLSAAEPVASTPASRIQPAGNTSPRAISRVDRERKVSMRLH
RGAPANVSSSDLTGRQEVSIRPASQTSPFDHLGK

SEQ ID NO: 89

Human ferritin, heavy polypeptide 1 protein (GenBank# BC015946)

110 aa

MTTASTSQVRQNYHQDSEAAINRQINLELYASYVYLSMSYYFDRDDVALKNFA
KYFLHQSHEREHAEKLMLQNQRGGRIFLQDIKKPDCDDWESGLNAMECALH
LEKM

SEQ ID NO: 90

Human metargidin protein (GenBank# NM_003815)

814 aa

MRLALLWALGLLGAGSPLPSWPLPNIGGTEEQQAEESEKAPREPLEPQVLQDDLPI
SLKKVLQTSLPEPLRIKLELDGDSHILELLQNRELVPGRPTLVWYQPDGTRVVSE
GHTLENCCYQGRVRGYAGSWVSICTCSGLRGLVVLTPERSYTLEQGPGDLQGPP
ISRIQDLHLPGHTCALSWRESVHTQTPPEHPLGQRHIRRRRDVVTETKTVELVIVA
DHSEAQKYRDFQHLLNRTLEVALLDTFFRPLNVRVALVGLEAWTQRDLVEISP
NPAVTLENFLHWRRRAHLLPRLPHDSAQLVTGTSFSGPTVGMAIQNSICSPDFSGG
VNMDHSTSILGVASSIAHELGHSLGLDHDPGNSCPCPGPAPAKTCIMEASTDFLP
GLNFSNCSSRALEKALLDMGSCLFERLPSLPPMAAFCGNMFVEPGEQCDCGFL
DDCVDPCCDSLTQCLRPGACQCASDGPCQCNCQLRPSGWQCRPTRGDCDLPEFCP
GDSSQCPPDVSLGDGEPCAGGQAVCMHRCASYAQQCQLWPGQAQPAAPLCL
QTANTRGNAFGSGCRNPSGSYVSVTSDAICGQLQCQTGRTQPLLSIRDLLWET
IDVNGTELNCWSVHLDLGSVAQPLTLPGTACGPGLVCIDHRCQRVDLLGAQE
CRSKCHGHGVCDSNHCYCEEGWAPPDCTTQLKATSSLTGLLLSLLVLLVLM
LGAGYWYRARLHQRLCQLKGPTCQYRAAQSGPSERPGPPQRALLARGTKSQGP
AKPPPRKPLPADPQGRCPGDLPGPGAGIPPLVVPSRPAPPPTVSSLYL

SEQ ID NO: 91

Human unknown protein PHG-13 peptide 1 (GenBank# AK026351)

55 aa

M N L S F R E F N Q E K R V G G I S W G P K G R L S G I F S T I Q N Q Q Q S Q K R G M S S N S L
K R T P Q N S

SEQ ID NO: 92

Human unknown protein PHG-13 peptide 2 (GenBank# AK026351)

54 aa

M G N Q R W H A K F N S G L R Y P H C P H Q A S P A L T V E P H G E E H V L E R D P F V N C F
V V F S S M N

SEQ ID NO: 93

Human unknown protein PHG-13 peptide 3 (GenBank# AK026351)

51 aa

M L C A Q G A A G C Q Q H L S L N T I S L C A E K T G N Q R I N I T S P G W R T I S C D F A A E
F T H

SEQ ID NO: 94

Human unknown protein PHG-13 peptide 4 (GenBank# AK026351)

43 aa

M P P L I P H A A K R I G T L S G P G T V V M A I S Y F T H T R P F K V S L P Q A I K

SEQ ID NO: 95

Human unknown protein PHG-13 peptide 5 (GenBank# AK026351)

39 aa

M V E N I P E S L P F G P Q L M P P T L F S W L N S L K E R F M C Y C P V S Q

SEQ ID NO: 96

Human unknown protein PHG-13 peptide 6 (GenBank# AK026351)

36 aa

M S Q C T S Y P L I Q K E E H F A Q R K I K R S M N V I F Y L L F S V G

SEQ ID NO: 97

Human unknown protein PHG-13 peptide 7 (GenBank# AK026351)

33 aa

M G S S L P I G F L L H T A G L S L Y F K K K K K K K D K N C H

SEQ ID NO: 98

Human retinaldehyde binding protein 1 (GenBank# NM_000326)

317 aa

MSEGVGTFRMVPEEEQELRAQLEQLTTKDHGPVFGPCSQLPRHTLQKAKDELNE
REETREEAVRELQEMVQAQAAASGEELAVAVAERVQEKEKGFFLRFIRARKFNVG
RAYELLRGYVNFRQLQYPPELFDSLSPPEAVRCTIEAGYPGVLSRDKYGRVVMLFNI
ENWQSQEITFDEILQAYCFILEKLLENEETQINGFCIENFKGFTMQQAASLRTSDL
RKMVDMLQDSFPARFKAIHFIHQWPYFTTYYNVVKPFLKSLLERVFVHGDDLS
GFYQEIDENILPSDFGGTLPKYDGKAVAЕQLFGPQAQAENTAF

SEQ ID NO:99

Human actin, gamma 1, protein (GenBank# BC009848)

375 aa

MEEEIAALVIDNGSGMCKAGFAGDDAPRAVFPSIVGRPRHQGMVGMGQKDSY
VGDEAQSKRGILTLYPIEHGIVTNWDDMEKIWHHTFYNELRVAPEEHPVLLTE

APLNPKANREKMTQIMFETFNTPAMYVAIQAVSLYASGRTTGIVMDSGDGVTH
TVPIYEGYALPHAILRLDLAGRDLTDYLMKILTERGYSFTTTAEREIVRDIKEKLC
YVALDFEQEMATAASSSSLEKSYELPDGQVITIGNERFRCPEALFQPSFLGMESCG
IHETTFNSIMKCDVDIRKDLYANTVLSGGTTMYPGIADRMQKEITALAPSTMKIKI
IAPPERKYSVWIGGSILASLSTFQQMWISKQEYDESGPSIVHRKCF

SEQ ID NO: 100

Human matrix metalloproteinase, membrane associated, protein (GenBank# X83535)
582 aa

MSPAPRPSRCLLPLLTGTLASLGSAQSSFSPEAWLQQYGYLPPGDLRTHTQ
RSPQSLSAIAAMQKFYGLQVTGKADADTMKAMRRPRCGVPDKFGAEIKANVR
RKRYAIQGLKWQHNEITFCIQNYTPKVGEYATYEAIRKAFRVWESATPLRFREVP
YAYIREGHEKQADIMIFFAEGFHGDSTPDFGEGGFLAHAYFPGPNI GGDTHFDSA
EPWTVRNEDLNGNDIFLVAVHELGHALGLEHSSDPSAIMAPFYQWMDTENFVL
DDDRRGIIQQLYGGESGFPTKMPQPRTSRPSVPDKPKNPTYGPNICDGNFDTVA
MLRGEMFVFKERWFWRVRNNQVMGDGYPMPIGQFWRGLPASINTAYERKDGF
VFFKGDKHWVFDEASLEPGYPKHIKELGRGLPTDKIDAALFWMPNGKTYFFRGN
KYYRFNEELRAVDSEYPKNIKVWEGIPESPRGSFMGSDEVFTYFYKGNKYWKFN
NQKLKVEPGYPKSALRDWMGCPSSGRPDEGTEEETEVIIIEVDEEGGA
VVLPVLLLLLVLAVGLAVFFFRRHGTPRRLYCQRSLLDKV

SEQ ID NO: 101

Human SWI/SNF related/OSA-1 nuclear protein (GenBank# NM_006015)
2285 aa

MAAQVAPAAASSLGNNPPPPPSELKKAEEQQQREEAGGEAAAAAAAERGEMKAA
AGQESEGPAVGPPQPLGKELQDGAESNGGGGGAGSGGGPGAEPDLKNSNGN
AGPRPALNNNLTEPPGGGGGGSDGVGAPPHSAAAALPPPAYFGQPYGRSPSA
VAAAAAAAVHQHQHGGQQSPGLAALQSGGGGLEPYAGPQQNSHDHGFPNHQY
NSYYPNRSAYPPPAPAYALSSPRGGTPSGAAAAAGSKPPPSSASASSSSSFAQ
QRFGAMGGGGSAAAGGGTPQPTATPTLNQLLSPSSARGYQGYPGGDYSGGPQ
DGGAGKGPADMASQCWGAAAAAAAAAASGGAQQRSHHAPMSPGSSGGGQ
PLARTPQSPSPMDQMKGMRPQPYGGTNPYSQQQGPPSGPQQGHGYPGQPYGSQ
TPQRYPMTMQGRAQSAMGLSYTQQIPPYGQQGPGSGYQGQQGQTYYNQQSPHP
QQQQPPYSQQPPSQTPHAQPSYQQQPQSQPPQLQSSQPPYSQQPSQPPHQQSPAP
YPSQQSTTQQHPQSQPPYSQPQAQSPYQQQQPQQPAPSTLSQQAAYPQPQSQQSQ
QTAYSQQRFPPPQELSQDSFGSQASSAPSMTSSKGGQEDMNLSLRPSSLPDLS
GSIDDLPMGTEGALSPGVSTSGISSSQGEQSNPAQSPFSPTHSPHLPGIRGPS
SPASVAQSRSGPLSPA AVPGNQMPPRPPSGQSDSIMHPSMNQSSIAQDRGYMQRN
PQMPQYSSPQPGSALS PRQPSGGQIHTGMGSYQQNSMGSYGPQGGQYGPQGGY
PRQPQYNALPNANYP SAGMAGGINPMGAGGQMHGQPGIPPYGTLPGRMSHAS
MGNRPYGPNMANMPPQVGSGMCPPPGMNRTQETA VAMHVAANSIQNRPPG
YPNMNQGGMMGTGPPYQGGINSAGMINPQGPYSMGGTMANNSAGMAASPE
MMGLGDVKLTPATKMNNKADGTPKTESKS KSSSSTTNEKITKLYELGGE
PER KMWVDRYLAFTEEKAMGMTNLP AVGRKPLDLYRLYVSVKEIGGLTQVNKNKK
WRELATNLNVGTSSAASSLKKQYIQLYAFECKIERGEDPPPDI
FAAADSKKSQ

PKIQPPSPAGSGSMQGPQTPQSTSSSMAEGGDLKPPTPASTPHSQIPPLPGMSRSNS
VGIQDAFNDGSDSTFQKRNSMTPNGYQPSMNTSDMMGRMSYEPNKDGYGSMR
KAPGSDPFMSSGQGPNGMGDPYSRAAGPGLGNVAMGPRQHYPYGGPYDRVR
TEPGIGPEGNMSTGAPQPNLMPSPDGMYSPSRYPPQQQQQRHDSYGNQF
STQGTPSGSPFPSQQTMYQQQQQNYKRPMGDTYGPAAKRHEGEMYSPYSTG
QGQPQQQQQLPPAQQPQASQQAAQSPQDQVYNQYGNAYPATATAATERRPAG
GPQNQFPFQFGRDRVSAPPGTNAQQNMPPQMMGGPIQASAEVAQQGTMWQGR
NDMTYNYANRQSTGSAPQGPAYHGVNRTDEMLHTDQRANHEGSWPSHGTRQP
PYGPSAPVPPMTRPPSNYQPPPSMQNHIPQVSSPAPLPRPMENRTSPSKSPFLHSG
MKMKGAGPPVPASHIAPAPVQPPMIRRDITFPPGSVEATQPVLKQRRRLTMKDIG
TPEAWRVVMSMSLKGSLAESTWALDTINILYDDNSIMTFNLSQLPGLLELLVEYF
RRCLIEIFGILKEYEVGDPGQRTLLDPGRFSKVSSPAPMEGGEEEEELLGPKLEEEE
EEEVVENDEEIAFGSKDKPASENSEEKLISKFDKLPVKIVQKNDPFVVDCSDKLG
RVQEFDGLLHWWRIGGGDTTEHIQTHFESKTELLPSRPHACPAPRKHVTAAEG
TPGTTDQEGPPPDGPPEKRITATMDDMLSTRSSTLTEDGAKSSEAIKESSKFPFGIS
PAQSHRNKILEDEPHSKDETPLCCTLLDWQDSLAKRCVCVSNТИRSLSFVPGNDFE
MSKHPGLLLILGKLILLHHKHPERKQAPLTYEKEEEEQDQGVSCNKVEWWWDC
EMLRENTLVTLANISGQLDLSPYPSICLPVLDGLLHWAVCPAAQDPFSTLGP
NAVLSPQRVLLETLSKLSIQDNNVDLILATPPFSRLEKLYSTMVRFLSDRKNPVCR
EMAVVLLANLAQGDSLAARAIAVQKGSIGNLLGFLEDSLAATQFQQSQASLLHM
QNPPFEPTSVDMMRRAARALLALAKVDENHSEFTLYESRLLDISVSPLMNSLVSQ
VICDVLFILIGQS

SEQ ID NO: 102

Human unknown protein AMDP-3 peptide 1(GenBank# AK024103)

88 aa

M A T Q A R Q E T C D N T K W N S H Y A R S C D H H Q Y H P Q R S Y K A K A
H K G A P G G R W C V Q G V G W H V C V G A H C H G A S I S K N S S R E V C
A E I L A C I P K A H A

SEQ ID NO: 103

Human unknown protein AMDP-3 peptide 2(GenBank# AK024103)

69 aa

M P Y D S V R I E R R M R C F K S K S Q L L D S Q V F K Y G H T P Y L V L D Y
M G Y E Q G I E T D K I V F T D T V Y R F F F P M Q L F S

SEQ ID NO: 104

Human unknown protein AMDP-3 peptide 3(GenBank# AK024103)

65 aa

M C F N F K M L N S F Q T W Y L I Y S P F L A F V E F Q A E C L T D C P R T R L
S F N L K Q L R K G Q R R Y K G K A A Q N R S G E

SEQ ID NO: 105

Human unknown protein AMDP-3 peptide 4(GenBank# AK024103)

61 aa

M L G A V I T T N I T P R G V I K P R R T R G P L V A G G V C R G L G G T S V L
V P T V T V Q A S A R T Q A G K S V L K Y

SEQ ID NO: 106

Human unknown protein AMDP-3 peptide 5(GenBank# AK024103)

58 aa

M C N F F K Y V F Y S Y G L L V S E P D L L T I F L Y N N A S H F L D S L V M C
C M Q E L S S S E G G L P L Q A S

SEQ ID NO: 107

Human unknown protein AMDP-3 peptide 6(GenBank# AK024103)

55 aa

M L K K K N F F L V E M Q S P V K R Y E K A S L S Q R P G R Q S T T R G S E V
L M E S C L S N E V L K R M P K

SEQ ID NO: 108

Human unknown protein AMDP-3 peptide 7(GenBank# AK024103)

50 aa

M L Q I R K L L G T C D T H S E C D M V A N G W P V L K A G S Q H K G Q R
A L A A P L P T S E P G

SEQ ID NO: 109

Human unknown protein AMDP-3 peptide 8(GenBank# AK024103)

49 aa

M R H H L F Y K L D Y G F K W N T Q G N I Y K H Q G K L S T A S L F H L E R G
R F P N Q T G F D P

SEQ ID NO: 110

Human unknown protein AMDP-3 peptide 9(GenBank# AK024103)

48 aa

M P V H S S L G N K S E T P C Q K K K K M L L I L S E S K K E T L T A L N S G
F I F L A V F G

SEQ ID NO: 111

Human unknown protein AMDP-3 peptide 10 (GenBank# AK024103)

48 aa

M R S W D L L F S P G L Q N L I P V T K A R K E L Y H K P S L S W H E N W L P
G S V Y P I N C E

SEQ ID NO: 112

Human unknown protein AMDP-3 peptide 11 (GenBank# AK024103)
45 aa

M I G H E A S C H T P E I R V R L L R T M C L V T Y F S K I I S L P G N Q S S L
V Y L S

SEQ ID NO: 113

Human unknown protein AMDP-3 peptide 12 (GenBank# AK024103)
45 aa

M F I I F I F K V C V I F L S M Y S I H M V C L S V S Q T C L L Y S F I I M L A T S
W I L

SEQ ID NO: 114

Human unknown protein AMDP-3 peptide 13 (GenBank# AK024103)
44 aa

M R T G C Q A Q C T P L T V N E S E L G F L Y C F L C N M I A E T H F K N S E A
C H S C

SEQ ID NO: 115

Human unknown protein AMDP-3 peptide 14 (GenBank# AK024103)
40 aa

V M A Y Y S G Q V C P A Q G V I S G G F Q T C T Q F K D G G D R L C L Y L V N
P T

SEQ ID NO: 116

Human unknown protein AMDP-3 peptide 15 (GenBank# AK024103)
39 aa

M I S A H C D L R L L G S S D S P A S A S R V A G I T G M R H H A R L I L Y F

SEQ ID NO: 117

Human unknown protein AMDP-3 peptide 16 (GenBank# AK024103)
39 aa

M E D F F L T A L F F M A F S K R F K C S L F F K W G S L G R G K V C P H H L

SEQ ID NO:118

Human unknown protein AMDP-3 peptide 17 (GenBank# AK024103)
39 aa

M L E A L W N S P I P P P F Y I S L P T L A P M L L V P L Q C I P T Q G S I P

SEQ ID NO: 119

Human unknown protein AMDP-3 peptide 18 (GenBank# AK024103)
34 aa .

M Y S T K M E P Y A W A L G I Q A S I S A Q T S L L E F L L M L A P

SEQ ID NO: 120

Human unknown protein AMDP-3 peptide 19 (GenBank# AK024103)
33 aa

M V S S P Q G G E A T H T M L K I N T K N K H K V R L V L H M C D

SEQ ID NO: 121

Human MT1-MMP exon 5 PCR product protein
53 aa

NDIFLVAVHELGHALGLEHSSDPSAIMAPFYQWMDTENFVLPPDDDR
RGIQQLY

SEQ ID NO: 122

Human MT1-MMP splice variant protein
260 aa

MSPAPRPSRCLLLPLLTLLGTALASLGSAQSSFSPEAWLQQYGYLPPGDLRTHTQ
RSPQSLSAIAAMQKFYGLQVTGKADADTMKAMRRPRCGVPDKFGAEIKANVR
RKRYAIQGLKWQHNEITFCIQNYTPKVGEYATYEAIRKAFRVVWESATPLRFREVP
YAYIREGHEKQADIMIFFAEGFHGDSTPDFGEGGFLAHAYFPGPNIGGDTHFDSC
EPWTVRNEDLNGNDIFLVAVHELGHALGLEHSSDPSAIMAPG

SEQ ID NO: 123

Human MT1-MMP exon 5 PCR product protein with D273N polymorphism
53 aa

NDIFLVAVHELGHALGLEHSSDPSAIMAPFYQWMDTENFVLPPNDDR
RGIQQLY

SEQ ID NO: 124

Human ABCR protein (GenBank# NM_000350)
2273 aa

MGFVRQIQLLLWKNWTLRKQRKIRFVVELVWPLSLFLVLIWLRNANPLYSHHEC
 HFPNKAMPSAGMLPWLGIFCNVNNPCFQSPTPGESPGIVSNYNNISLARVYRDF
 QELLMNAPESQHLGRIWTELHILSQFMDETLRTHPERIAGRIGIRIDILKDEETLTF
 LIKNIGLSDSVYLLINSQVRPEQFAHGPDLALKDIACSEALLERFIIFSQRGGAK
 TVRYALCSLSQGTLQWIEDTLYANVDFFKLFRVLPTLDSRSQGINLRSWGGILS
 DMSPRIQEFIGHPMSMQDLLWVTRPLMQNGGPETFTKLMGILSDLLCGYPEGGGSR
 VLSFNWYEDNNYKAFLGIDSTRKDPIYSYDRRTTSFCNALIQSLESNPLTKIAWR
 AAKPLLMGKILYTPDSPAARRILKNANSTFEELEHVRKLVKAWEVGPQIWYFF
 DNSTQMNMIRDTLGNPTVKDFLNRQLGEEGITAЕAAILNFLYKGPRSQADDMAN
 FDWRDIFNITDRTLRLVNQYLECLVLDKFESYNDETQLTQRALSLEENMFWAG
 VVFPDMYPWTSSLPPHVKYKIRMDIDVVEKTNKIKDRYWDSGPRADPVEDFRYI
 WGGFAYLQDMVEQGITRSQVQAEPVGIALQQMPYPCFVDDSFMIILNRCPIFM
 VLAWIYSVSMTVKSIVLEKELRLKETLKNQGVSNaviWCTWFLLDSFSIMSMSIFL
 LTIFIMHGRILHYSDPFILFLLAFLSTATIMLCFLSTFFSKASLAAACSGVIYFTL
 YLPHILCFAWQDRMTAELKKAWSLLSPVAFGFGTEYLVRFEEQGLGLQWSNIGN
 SPTEGDEFSFLLSMQMMLDAACYGLAWYLDQVFPGDYGTPLPWYFLLQESY
 WLSGEGCSTREERALEKTEPLTEETEDPEHPEGIHDSSFEREHPGWVPGVCVKNL
 VKIFEPGRPAVDRLNITFYENQITAFLGHNGAGKTTLSILTGLPPTSGTVLVG
 GRDIETSLDAVRQSLGMCPQHNILFHHTVAEHMLFYAQLKGKSQEEAQLEMEA
 MLEDTGLHHKRNEEAQDLSGGMQRKLSVAIAFVGDAKVVILDEPTSGVDPYRR
 SIWDLLLKYRSGRTIIMPTHMDEADHQGDRIAIIAQGRILYCSGTPLFLKNCFTG
 LYLTIVRKMKNIQSQRKGSEGTCSKGFSTTCPAHVDDLTPEQVLDGDVNEL
 MDVVLHHVPEAKLVECIGQELIFLLPNKNFKHRAYASLFRELEETLADLGLSSFGI
 SDTPLEEIFLKVTEDDSGPLFAGGAQQKRENVNPRHPCLGPREKAGQTPQDSNV
 CSPGAPAHAPEGQPPPPECPGPQLNTGTQLVLQHVQALLVKRFQHTIRSHKDFL
 AQIVLPATFVFLALMLSIVLPGEYPALTLPWIYQQYTFFSMDEPGSEQFTVL
 ADVLLNKPGFGNRCLKEGWLPEYPCGNSTPWKTPSVSPNITQLFQKQKWTQVNP
 SPSCRCSTREKLTMLPECPEGAGGLPPPQRTQRSTEILQDLTDRNISDFLVKTYP
 LIRSSLKSKFWVNEQRYGGISIGGKLPPVITGEALVGFLSDLGRIMNVSGGPITRE
 ASKEIPDFLKHLETEDNIKVWFNNKGWHALVSFLNVAHNAILRASLPKDRSPEEY
 GITVISQPLNLTKQLSEITVLTTSVDAVVAICVIFSMSFVPASFVLYLIQERVNKS
 KHLQFISGVSPPTYWVTNFLWDIMNYSVSAGLVVGIFIGFQKKAYTSPENLPALV
 ALLLYGWAVIPMMYPASFLFDVPSTAYVALSCANLFIGINSSAITFILELFDNNR
 TLLRFNAVLKLLIVFPHCLGRGLIDLALSQAVENTDVYARFGEHSANPFHWDLI
 GKNLFAMVVEGVVFLLTLLVQRHFFLSQWIAEPTKEPIVDEDVVAEERQRIIT
 GGNKTDILRLHELTKIYLTSSPAVDRLCVGVRPGECFGLLGVNGAGKTTFKM
 LTGDTTVTSGDATVAGKSILTNISEVHQNMGYCPQFDAIDEELLTGREHLYLYARL
 RGVPAEEIEKVANWSIKSLGLTVYADCLAGTYSGGNKRKLSTAIALIGCPPLVLL
 DEPTTGMDPQARRMLWNVIVSIIRKGRAVVLTSMSMEECEALCTRLAIMVKGAF
 RCMGTIQHLKSKFGDGYIVTMKIKSPKDDLLPDLNPVEQFFQGNFPGSVQRERHY
 NMLQFQVSSSSLARIFQLLSSHKDSLIEEYSVTQTLQVFVNFAKQQTESHDLP
 LHPRAAGASRQAQD

SEQ ID NO: 125

Human apolipoprotein E protein (GenBank# NM_000041)

317 aa

MKVLWAALLVTFLAGCQAKVEQA VETEPEPEL RQQTEWQSGQR WELALGRFW
DYLRWVQTLS EQVQEELLSSQVTQELRALMD ETM KELKAYKSEEEQLTPVAEE
TRARLSKELQAAQARLGADMEDVC GRLVQYRGEVQAMLGQSTEELRVRLASHL
RKLRKRLLRDADDLQKRLAVYQAGAREGAERGLSAIRERLGPLVEQGRVRAAT
VGSLAGQPLQERAQAWGERL RARMEEMGSRTDRDLDEVKEQVAEVRAKLEEQ
AQQIRLQAEAFQARLKSWF EPLVEDMQRQWAGLVEKVQAAVGTSAAPVPSDN
H

SEQ ID NO: 126

Human C-C chemokine receptor-2 (Ccr-2) protein (GenBank# NM_000647)

374 aa

MLSTSRSRFIRNTNESGEEVTTFFDYDYGAPCHKFDVKQIGAQLLPLYSLVFIG
FVGNMLVVLILINCKKLKCLTDIYLLNLAISDLLFLITLPLWAHSAANEWVFGNA
MCKLFTGLYHIGYFGGIFFIILLTIDRYLAIVHAVFALKARTVTFGVVTSVITWL
AVFASVPGIIFTKCQKEDSVYVCGPYFPRGWNNFHTIMRNILGLVPLLLIMVICYS
GILKTLLRCRNEKKRHR A RVIFTIMIVYFLFWTPYNIVILLNTFQEFFGLSNCEST
SQLDQATQVTETLGMTHCCINPIIYAFVGEKFRSLFHIALGCRIAPLQKPVCGGPG
VRPGKNVKVTTQGLLDGRGKGKSIGRAPEASLQDKEGA

SEQ ID NO: 127

Human cystatin C protein (GenBank# NM_000099)

146 aa

MAGPLRAPLLLAILAVALAVSPAAGSSPGKPRLVGGPMDasVEEEGVRRALD
FAVGEYNKASNDMYHSRALQVVRARKQIVAGVNYFLDVELGRTTCTKTQP NLD
NCPFHDQPHLKRKAFC SFQIYAVPWQGTMTLSKSTCQDA

SEQ ID NO: 128

Human hemicentin/FIBL-6 protein (GenBank# NM_031935)

5622 aa

MISWEVVHTVFLALLYSSLAQDASPQSEIRAEIPEGASTLAFVFDVTGSMYDD
LVQVIEGASKILETSKRPKRPLNFALVPFHDPEIGPVTITDPKKFQYELRELYV
QGGGDCPEMSIGAIKIALEISLPGSFIYVFTDARSKD YRLTHEV LQLIQQQSQV
FVLTGDCDDRTHIGYKVYEEIASTSSGQVFHLDKKQVNEVLKWVEAVQASKV
HLLSTDHLEQAVNTW RIPFDPSLKEVTVSLSGPSPMIERNPLGKLKKG FGLHEL
LNIHNSAKVNVNKEPEAGMWTVKTSSSGRHSVRITGLSTIDFRAGFSRKPTLDFK
KTVSRPVQGIPTYVLLNTSGISTPARIDLLELLSISGSSLKTI PVKYYPHRKPYGIW
NISDFVPPNEAFFLKV TGYDKDDYL FQ RVSSV SFSSIVPDAPKVTMPEKTPGYYL
QPGQIPCSVDSLLPFTLSFVRNGVT LGVDQYLKESASVNLDIAKVTLSDEGFYECI
AVSSAGTGRAQTFFDVSEPPPVIQVPNNVT PGERAVLTCLIISAVDYNLTWQR

NDRDVRLAEPARIRTLANSLELKSVKFNDAGEYHCMVSSEGGSSAASVFLTVQ
 EPPKVTVMKPKNQSFTGGSEVSIMCSATGYPKPKIAWTVNDMFIVGSHRYRMTSD
 GTLFIKNAAPKDAGIYGCLASNSAGTDKQNSTLRYIEAPKLMVVQSELLVALGDI
 TVMECKTSGIPPPQVKWFKGDLERPSTFLIIDPLGLLKIQETQDLDAGDYTCVA
 INEAGRATGKITLDVGSPPVFIQEADVSMEIGSNVTLPVCYQGYPEPTIKWRRLD
 NMPIFSRPFSVSSISQLRTGALFILNLWASDKGTYICEAENQFGKIQSETTVTGT
 VAPLIGISPSVANVIEGQQQLTPCTLLAGNPIPERWIKNSAMLLQNPYITVRSDDGS
 LHIERVQLQDGGEYTCVASNVAGTNNKTTSVVHVLPTIQHGQQILSTIEGIPVTL
 PCKASGNPKPSVIWSKKGELISTSSAKFSAGADGSLYVVSPGGEESGEYVCTATN
 TAGYAKRKVQLTVYVRPRVFGDQRGLSQDKPVEISVLAGEEVTLPCEVKSLPPI
 ITWAKETQLISPFSPRHTFLPSGSMKITERTSDSGMYLCVATNIAGNTQAVKLN
 VHVPPIQRGPKHLKVQVGQRVDIPCNAQGTPLPVITWSKGGSTMLVDGEHHVS
 NPDGTLSIDQATPSDAGIYTCVATNIAGTDETEITLHVQEPPVEDLEPPYNTTFQE
 RVANQRIEFPCPAKGTPKPTIKWLHNGRELTGREPGISILEDGTLVIASVTPYDN
 GEYICVAVNEAGTTERKYNLKHVPPVIKDKEQVTNVSVLLNQLTNLFCEVEGT
 PSPIIMWYKDNVQVTESSTIQTVNNGKILKLFRATPEDAGRYSCKAINIAGTSQKY
 FNIDVLPPTIIGTNFPNEVSVVLNRDVALECQVKGTPFPDIHWFKDGKPLFLGDP
 NVELLDRGQVLHLKNARRNDKGRYQCTVSNAAGKQAKDIKLTIVIPPSIKGGNV
 TTDISVLINSLIKECETRGLPMPAITWYKDGQPIMSSSQALYIDKGQYLHIPRAQV
 SDSATYTCHVANVAGTAEKSFHVDVYVPPMIEGNATPLNKQVVIAHSLTLECK
 AAGNPSPILTWLKDGVVKANDNIRIEAGGKKLEIMSAQEIDRGQYICVATSVAG
 EKEIKYEVDTVLPVPPAIEGGDETSYFIVMVNNLLELDCHVTGSPPPTIMWLKDQLI
 DERDGFKILLNGRKLVIAQAQVSNTGLYRCMAANTAGDHKKEFEVTVHVPPTIK
 SSGLSERVVVKYKPVALQCIANGIPNPSITWLKDDQPVNTAQGNLKIQSSGRVLQ
 IAKTLEDAGRYTCVATNAAGETQQHQLHVHEPPSLEDAGKMLNETVLSNPV
 QLECKAAGNPVPVITWYKDNRLLSGSTSMTFLNRGQIIDIESAQISDAGIYKCVAI
 NSAGATELYSLQVHVAPSISGSNNMVAVVNNPVRLECEARGIPAPSLTWLKD
 GSPVSSFSNGLQVLSGGRILALTSAQISDTGRYTCVAVNAAGEKQRDIDLRYVVP
 PNIMGEEQNVSVLISQAVELLQSDAIPPPTLTWLKDGHPLLKKPGLSISENRSVL
 KIEDAQVQDTGRYTCATNVAGKTEKKNNVNIWVPPNIGGSDELTQLTVIEGN
 LISLLCESSGIPPNLIWKKKGSPVLTDSMGRVIIAEKSDAALYSCVASNVAGTA
 KKEYNLQVYIRPTITNSGSHPTEIIVTRGKSISLECEVQGIPPPPTVWMKDGHPLIK
 AKGVEILDEGHILQLKNIHVSDTGRYVCVAVNVAGMTDKYDLSVHAPPSIIGN
 HRS PENISVVEKNSVSLTCEASGIPLPSITWFKDGWPVSLNSVRILSGGRMLRM
 QTTMEDAGQYTCVVRNAAGEERKIFGLSVLVPPHIVGENTLEDVKVKEKQSRTL
 TCEVTGNPVPEITWHKDQPLQEDEAHHIISGGRFLQITNVQVPHGRYTCCLASSP
 AGHKSRSFSLNVFVSPTIAGVGSDGNPEDVTVILNSPTSLVCEAYSYPPATITWFK
 DGTPLESNRNIRILPGGRTLQILNAQEDNAGRYSCVATNEAGEMIKHYEVKVYIP
 PIINKGDLWGPGLSPKEVKIKVNNTLTECEAYAIPSASLSWYKDGQPLKSDDHV
 NIAANGHTLQIKEAQISDTGRYTCVASNIAGEDEELDFDVNIQVPPSFQKLWEIGN
 MLDTGRNGEAKDVIINNPISLYCETNAAPPPLTWYKDGHPLTSSDKVLILPGGR
 VLQIPRAKVEDAGRYTCVAVNEAGEDSLQYDVRVLVPPUIKGANSSDLPEEVTVLV
 NKSALIECLSSGSPAPRNSWQKDGQPLLEDDHHKFLSNGRILQILNTQITDIGRYV
 CVAENTAGSAKKYFNLNVHPPSVIGPKSENLTVVVNNFISLTCEVSGFPPPDL
 WLKNKLNTNTLIVPGGRTLQIRAKVSDGGEYTCIAINQAGESKKKFSLTVYVPPS
 IKDHDESLSVNVREGTSVSLECESNAVPPPVTWYKNGRMTESTHVEILADG

QMLHIKKAEVSDTGQYVCRAINVAGRDDKNFHLNVYVPPSIEGPEREVIVETISN
 PVTLTCATGIPPTIAWLKNHKRIENSDSLEVIRLSGGSKLQIARSQHSDSGNYT
 CIASNMEGKAQKYYFLSIQVPPSVAGAEIPSDVSVLLGENVELVCNANGIPTPLIQ
 WLKGDKPIASGETERIRVSANGSTLNITYGALTSDTGKYTCVATNPAGEEDRIFNL
 NVYVTPTIRGNKDEAEKLMTLVDT SINIECRA GTTPPQINWLKNGLPLPLSSHIR
 LLAAGQVIRIVRAQVSDVAVYTCVASNRAGVDNKHYNLQVFAPPNMDNSMGTE
 EITVLKGSSTSMACITDGTPAPSMAWLRDGQPLGLDAHTVSTHGMVLQLLKA
 TEDSGKYTCIASNEAGEVSKHFILKVLEPPHINGSEEHEEISVIVNNPLELTCIASGI
 PAPKMTWMKDGRPLPQTDQVTLGGEVLRISTAQVEDTGRYTCLASSPAGDD
 DKEYLVRVHVPPNIAGTDEPRDITVLRNRQVTLECKSDAVPPPVTWLRNGERLQ
 ATPRVRILSGGRYLQINNADLGD TANYTCVASNIAGKTREFILT VNVPPNIKGGP
 QSLVILLNKSTVLE CIAEGVPTPRITWRKDGA VLAGNHARYSILENFLHIQS
 AHV TDTGRYLCMATNAAGTDRRIDLQVHVPPIA PGPTNM TVIVNVQTTLACEATGI
 PKPSINWRKNGHLLNVDQNQNSYRLLSSGSLVIISPSVDDTAT YECTVTNGAGDD
 KRTVDLTVQVPPSIADEPTDFLVTKHAPAVITCTASGVFPFSIHWTKNGIRLLPRG
 DGYRILSSGAIEILATQLNHAGRYTCVARNAAGSAHRHVTLHHEPPVIQPQPSE
 LHVILNNPILLPCATGTSPFITWQKEGINVNTSGRNHA VLPSSGLQISRAVRED
 AGTYMCVAQNPAGTALGKIKLNQVPPVISPHLKEYVIAVDKPITLSCEADGLPP
 PDITWHKDGRAIVESIRQRLVLSGS LQIAFVQPGDAGHYTCMAANVAGSSSTSTK
 LTVHVPPIRSTE GHYTVNENSQAILPCVADG IPTPAI NWKKDNVLLANLLGKYT
 AEPY GELILENVVLEDGFYTCVANNAAGEDTHTVSLTVHVLPTFTELPGDVSLN
 KGEQLRLSCKATGIPLPKLTWT FNNNIIPAHFDSVNGHSEL VIERVSKEDSGTYVC
 TAENSVGFKAI GFVYVKEPPVFKGDYPSNWEPLGGNAILNCEVKGDPTPTI
 QW NRKGVDIEISHRIRQLGNGSLAIYGTVNEDAGDYTCVATNEAGVVERSMSLT
 LQS PPIITLEPVETVINAGGKIILNCQATGE PQPTITWSRQHSISWDDRVNVL
 SNSLY IADAQKEDTSEFECVARNLMGSV LRV VPVIVQHGGFSQWSAWRACSVTC
 KGK IQKRSRLCNQPLPANGKPCQGSDEMRNCQNKP
 CPGVHDPSQIQR
 CTRNQTRTRTCNNPSVQHGGRPCEGN
 NAVEIIMCNIRPCPVHGAWSAWQ
 PWGT CSESCGKGTQTRARLCNNPPP
 AFGGSYCDGAETQM
 QVCNERNCPIHGK
 WATWA SWSACSVSCGGGARQRTRGCSDPVPQYGGRKCEGSDV
 QSDFCNSDPC
 PTHGNW SPWSGWGTSRTCNGQMRRYRTCDNPPSN
 GGRCACGGPD
 SQIQR
 CTRNQTRTRTCNNPSVQHGGRPCEGN
 NAVEIIMCNIRPCPVHGAWSAWQ
 PWGT QACPGGPQRARGSVIGNINDVEFGIAFLNATITDSP
 NSDTRIIRAKIT
 NVPRSLGSA MRKIVSILNPIYWTTAKEIGEA
 VNGFTLTNAVFKRETQ
 VEFA
 TGEILQM
 SHIARGL DSDGSLLL
 DIVVSGYV
 LQLQSPA
 EVTVKDYTEDYI
 QTGPGQLYAY
 STRLFTIDGIS IPYTWNHTV
 FYDQA
 QGRMPFL
 VETLHASS
 VESDYN
 QIEETLG
 FKIHASIS
 KGDRS NQCP
 SGFTL
 DSVGP
 FCA
 DEDECA
 AGN
 PCSH
 SCHNAM
 GTYY
 CSCPK
 GLTIA
 ADGR TCQD
 IDECAL
 GRHT
 CHAG
 QDC
 DNT
 TIGSY
 RCV
 RCG
 SF
 RRT
 SDGL
 SCQD
 INECQ ESSP
 CHQRC
 FNAIG
 SFHC
 GCEPGY
 QLK
 GRK
 CMDV
 NEC
 CRQ
 NCR
 PDQ
 HCK
 NTRG
 GY
 KC
 CID
 LCP
 NGMT
 KAENG
 TCI
 IDE
 C
 E
 KDG
 THQC
 RY
 NQIC
 ENTRG
 SY
 RC
 C
 PRGY RSQGV
 GRPC
 MD
 IN
 EC
 EQV
 PK
 PCA
 HQCS
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 SC
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 LER LPNY
 GTQ
 SSY
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 ARF
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 QQ
 HYR
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 SSY
 SEY
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 Q
 D
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VPFALRDENLKGVVYTRPLREAETYRMRVRASSYSANGTIEYQTFIVYIAVSA
YPY

SEQ ID NO: 129

Human manganese superoxide dismutase 2 protein (GenBank# NM_000636)
222 aa

MLSRAVCGTSRQLPPVLGYLGSRQKHSLPDLPYDYGALEPHINAQIMQLHHSKH
HAAYVNNLNVTEEKYQEALAKGDVTAQIALQPALKFNGGGHINHSIFWTNLSPN
GGGEPKGELLEAIKLDGFSDFKKEKLTAASVGVQGSGWGWLGFNKERGHLQIA
ACPNQDPLQGTTGLIPLLGINWWEHAYYLQYKNVRPDYLKAIWNVINWENVTER
YMACKK

SEQ ID NO: 130

Human C-C chemokine ligand 2 (Ccl-2)/monocyte chemoattractant protein 1 (GenBank#
NM_002982)
99 aa

MKVSAALLCLLIAATFIPQGLAQPDAINAPVTCCYNFTNRKISVQRLASYRRITS
SKCPKEAVIFKTIVAKEICADPKQKWVQDSMDHLDKQTQTPKT

SEQ ID NO: 131

Human paraoxonase 1 protein (GenBank# NM_000446)
355 aa

MAKLIALTLLGMGLALFRNHQSSYQTRLNALREVQPVELPNCNLVKGIETGSED
LEILPNGLAGFISSGLKYPGIKSFNPNSPGKILLMDLNEEDPTVLELGITGSKFDVSSF
NPHGISTFTDEDNAMYLLVVNHPDAKSTVELFKFQEEEKSLLHLKTIRHKLLPNL
NDIVAVGPEHFYGTNDHYFLDPYLQSWEMLGLAWSYVVYYSPSEVRVVAEGF
DFANGINISPDKYVYIAELLAHKIHVYEKHANWTLTPLKSLDFNTLVDNISVDP
ETGDLWVGCHPNGMKIFFYDSENPPASEVLRIQNILTEEPKVTQVYAENGTVLQG
STVASVYKGKLLIGTVFHKA LYCEL